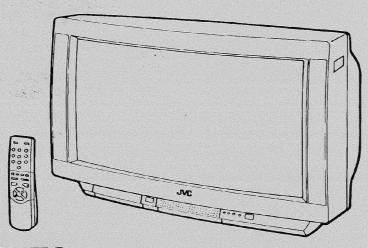
JVC

SERVICE MANUAL

AV-32WZ2EN(A) AV-32WZ2EP(A) AV-28WZ2EN(A) AV-28WZ2EP(A) BASIC CHASSIS

MB



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SPECIFICATIONS

| item | Content | | | |
|--------------------------|--|--|--|--|
| nem | 32' | 28' | | |
| Dimensions (W×H×D) | 805mm × 550mm × 550mm | 716mm × 489mm × 496mm | | |
| Mass | 54.8kg | 40.1kg | | |
| TV RF System | CCIR(B/G,I,L) EN MODEL:B/G ONLY | CCIR(B/G,I,L) EN MODEL:B/G ONLY | | |
| Colour System | PAL / SECAM / NTSC(Only in EXT mode) | PAL / SECAM / NTSC(Only in EXT mode) | | |
| Stereo System | A2/NICAM | A2/NICAM | | |
| Teletext System | TOP/FLOF | TOP/FLOF | | |
| Receiving Frequency | | | | |
| VHF | 47MHz~ 470MHz | 47MHz~ 470MHz | | |
| UHF | 470MHz~862MHz | 470MHz~862MHz | | |
| | | - | | |
| Intermediate Frequency | | | | |
| VIF Carrier | , , , , | 38.9MHz(B/G,I,L) EN MODEL:B/G ONLY | | |
| SIF Carrier | 33.4(5.5MHz),33.5(6.0MHz) | 33.4(5.5MHz),33.5(6.0MHz) | | |
| | EN MODEL: 5.5MHz ONLY | EN MODEL: 5.5MHz ONLY | | |
| Colour Sub Carrier Freq. | | | | |
| PAL | 4.43MHz | 4.43MHz | | |
| SECAM | 4.0625MHz / 4.25MHz | 4.0625MHz / 4.25MHz | | |
| NTSC | 3.58MHz / 4.43MHz | 3.58MHz / 4.43MHz | | |
| Power Input | AC 220V~240V , 50Hz | AC 220V~240V , 50Hz | | |
| Power Consumption | 160W(Max) /150W(Avg) | 155W(Max) /145W(Avg) | | |
| Picture Tube | Visible size : 76cm, Measured diagonally | Visible size : 66cm, Measured diagonally | | |
| High Voltage | 31.0Kv +1kV (at zero beam current) -1.5kV | 31.0Kv (at zero beam current) | | |
| Speaker | φ10cm round (4Ω)×2 | φ10cm round (4Ω)×2 | | |
| Audio Output | 20W + 20W | 20W + 20W | | |
| EXT-1/EXT-2/EXT-3 | 21-pin Euro connector(SCART socket) | 21-pin Euro connector(SCART socket) | | |
| (Input/Output) | | | | |
| EXT4(Input) Video | 1Vp-p 75Ω(RCA pin jack) | 1Vp-p 75 Ω (RCA pin jack) | | |
| Audio(L/R) | 500mVrms(-4dBs), High Impedance (RCA pin | 500mVrms(-4dBs), High Impedance (RCA pir | | |
| A said lance Town | jack) | jack) | | |
| Aerial Input Term | 75Ω unbalanced, Coaxial | 75 Ω unbalanced, Coaxial | | |
| Headphone jack | Stereo mini jack (ϕ 3.5mm) | Stereo mini jack (\$3.5mm) | | |
| Remote Control Unit | RM-C793 | RM-C793 | | |
| | AAA(R03) dry battery × 2 | AAA(R03) dry battery × 2 | | |

Design & specification are subject to change without notice.

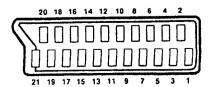
★ Manufactured under license from Dolby Laboratories Licensing Corporation.
"Dolby" and the double-D symbol [][] are trademarks of Dolby Laboratories Licensing Corporation.

■21-pin Euro connector (SCART socket): EXT-1 / EXT-2 / EXT-3

(P-P= Peak to Peak, S-W= Sync tip to white peak, B-W= Blanking to white peak)

| Pin No. | Signal Designation | Matching Value | EXT-1 | EXT-2 | EXT-3 |
|------------|-----------------------|---|----------|------------|----------|
| 1 | AUDIO R output | 500mVrms(Nominal), | 0 | 0 | NC |
| Low im | | Low impedance | (TV OUT) | (LINE OUT) | |
| 2 | AUDIO R input | 500mVrms(Nominal), High impedance | 0 | 0 | 0 |
| 3 | AUDIO L output | 500mVrms(Nominal), | 0 | 0 | NC |
| | | Low impedance | (TV OUT) | (LINE OUT) | |
| 4 | AUDIO GND | | 0 | 0 | 0 |
| 5 | GND (B) | | 0 | 0 | 0 |
| 6 | AUDIO L input | 500mVrms(Nominal), High impedance | 0 | 0 | 0 |
| 7 | B input | 700mV _{B-W} , 75Ω | 0 | NC | NC |
| 8 | FUNCTON SW | Low : 0-3V, High : 8-12V, | 0 | 0 | 0 |
| | (SLOW SW) | High impedance | | | |
| 9 | GND (G) | | 0 | 0 | 0 |
| 10 | _ | | NC | - | NC |
| 10 | SCL3 | | | 0 | |
| 11 | G input | 700mV _{B-W} , 75Ω | 0 | NC | NC |
| 12 | _ | | NC | - | NC |
| 12 | SDA3 | | _ | 0 | |
| 13 | GND (R) | * | 0 | 0 | 0 |
| 14 | GND (Y _s) | | 0 | NC | NC |
| 15 | R / C input | R : 700mV _{B-W} , 75Ω | 0 | 0 | 0 |
| | , ' | C : 300mV _{P-P} , 75Ω | (only R) | (only C) | (only C) |
| 16 | Ys input | Low : 0 - 0.4, High : 1 - 3V, 75 Ω | 0 | NC | NC |
| 17 | GND(VIDEO output) | | 0 | 0 | 0 |
| 18 | GND(VIDEO input) | | 0 | 0 | 0 |
| 19 | VIDEO output | 1V _{s-w} (Negative going sync), | 0 | 0 | NC |
| ,,, | | 75Ω | (TV) | (LINE OUT) | |
| 20 | VIDEO / Y input | 1V _{S-W} (Negative going sync), 75Ω | 0 | 0 | 0 |
| 21 | COMMON GND | | 0 | 0 | 0 |

[Pin assignment]



- 1. The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel
- 2. Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting
- 3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (A) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock fire or other hazards
- 4. Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.

Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (1) side GND, the ISOLATED(NEUTRAL): (♣) side GND and EARTH: (⊕) side GND. Don't short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND at the same time.

If above note will not be kept, a fuse or any parts will be broken

- 5. If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).
- 6. The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete
- 7. Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.
- 8. When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred. those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement

9 Isolation Check

(Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs. metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock

(1) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second.

. Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)

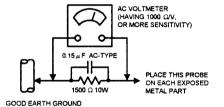
This method of test requires a test equipment not generally found in the service trade

(2) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage -across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).



SPECIFIC SERVICE INSTRUCTIONS

REPLACEMENT OF CHIP COMPONENT

ECAUTIONS

- T. Avoid heating for more than 3 seconds.
- 2. Do not rub the electrodes and the resist parts of the pattern.
- 3. When removing a chip part, melt the solder adequately.
- 4. Do not reuse a chip part after removing it.

■ SOLDERING IRON

- 1. Use a high insulation soldering iron with a thin pointed end of it.
- 2. A 30w soldering iron is recommended for easily removing parts.

■ REPLACEMENT STEPS

- 1. How to remove Chip parts
- · Resistors, capacitors, etc
- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end



(2) Shift with tweezers and remove the chip part



Transistors, diodes, variable resistors, etc.

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



Note: After removing the part, remove remaining solder from the pattern.

2. How to install Chip parts

Resistors, capacitors, etc

(1) Apply solder to the pattern as indicated in the figure.

AV-32WZ2EN

AV-32WZ2EP

AV-28WZ2EN AV-28WZ2EP



(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.



◆ Transistors, diodes, variable resistors, etc

- (1) Apply solder to the pattern as indicated in the figure
- (2) Grasp the chip part with tweezers and place it on the solder
- (3) First solder lead A as indicated in the figure.



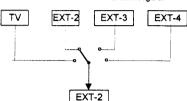
(4) Then solder leads B and C



No.51239C

FEATURES

- By preference, users can select the picture size from PANORAMIC, REGULAR, FULL, 14:9 ZOOM, 16:9 ZOOM, 16:9 ZOOM SUB TITLE modes. When the TV unit received WSS picture signal, the picture can be changed to 16:9 ZOOM mode automatically.
- The TELETEXT SYSTEM has a built-in TOP and FLOF system.
- Thanks to the newly employed DSP control micro computer, users can select 3D-PHONIC, and enjoy Surround effect at each mode.



DISASSEMBLY PROCEDURE

REMOVING THE REAR COVER

- 1. Unplug the power cord.
- 2. Remove the 13 screws marked "A" as shown in the Fig. 1.
- 3. Withdraw the rear cover toward you.

REMOVING THE CHASSIS

- · After removing the rear cover
- Slightly raise the both sides of the chassis by hand and remove the two claws under the both sides of the chassis from the front cabinet
- Withdraw the chassis backward. (If necessary, take off the wire clamp, connectors etc.)

REMOVING THE AV TERMINAL BOARD

- · After removing the rear cover.
- 1. Remove the 6 screws marked "B" as shown in the Fig. 1.
- While raising the claw marked "C" , remove the top of the AV TERMINAL BOARD slightly in the direction of arrow "D" as shown in Fig. 2.

REMOVING THE SPEAKER BOX

- · After removing the rear cover.
- 1. Remove the 2 screws marked "E" as shown in Fig. 1.
- Follow the same steps when removing the other hand speaker box.

NOTE: When removing the screws marked "E" of the speaker box, remove the lower side screw first, and then remove the upper screw.

can enjoy music programs and sporting events with live realism. In addition, BILINGUAL programs can be heard in their original language.

In accordance with the brightness in a room, the brightness.

· Because this TV unit corresponds to multiplex broadcast, users

- In accordance with the brightness in a room, the brightness and/or contrast of the picture can be adjusted automatically to make the optimum picture which is easy on the eye.
- Users can make VTR dubbing of picture and sound by controlling the AV selector to select an optional source at the EXT-2 output shown in figure.

CHECKING THE PW BOARD

To check the back side of the PW Board.

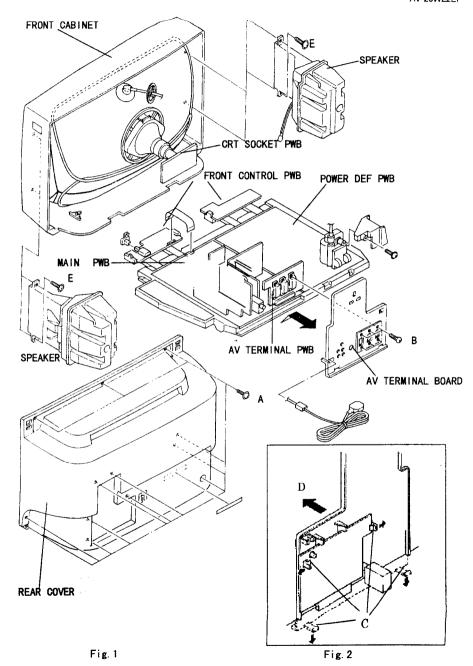
- 1) Pull out the chassis. (Refer to REMOVING THE CHASSIS).
- Erect the chassis vertically so that you can easily check the back side of the PW Board.

[CAUTION]

- When erecting the chassis, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS' Y) is connected to the CRT SOCKET PW board.

WIRE CLAMPING AND CABLE TYING

- 1. Be sure to clamp the wire.
- Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.



No.51239C

REMOVING THE CRT

- *Replacement of the CRT should be performed by 2 or more persons
- · After removing the cover, chassis etc.,
- 1. Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig.3).
- 2. While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig.4.
- 3. Remove 4 screws marked by arrows with a box type screw driver as shown in Fig.4.
- . Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.
- 4. After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig.5.
- . The CRT should be assembled according to the opposite sequence of its dismounting steps.
- . The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm

COATING OF SILICON GREASE FOR ELECTRICAL INSULATION ON THE CRT ANODE CAP SECTION.

. Subsequent to replacement of the CRT and HV transformer or repair of the anode cap, etc. by dismounting them, be sure to coat silicon grease for electrical insulation as shown in Fig.6.

Wipe around the anode button with clean and dry cloth. (Fig.6) Coat silicon grease on the section around the anode button. At this time, take care so that any silicon greases dose not stick to the anode button. (Fig.7)

* Silicon grease product No. KS - 650N

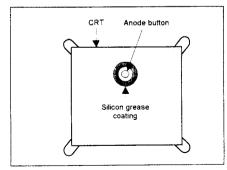
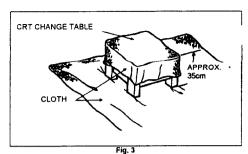
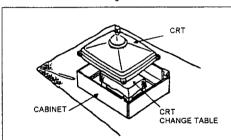


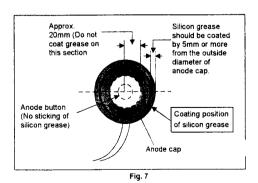
Fig. 6



CRT CRT CHANGE TABLE **P**⊕BOX TYPE SCREW DRIVER

Fig. 4





REPLACEMENT OF MEMORY ICS

1. Memory ICs

This TV use memory ICs (EEP-ROM IC). In the memory ICs, there are memorized data for correctly operating the video and deflection circuits. When replacing memory ICs, be sure to use ICs written with the initial values of data

2. Procedure for replacing memory ICs

PROCEDURE (1) Power off Switch the power off and unplug the power code from the outlet. SERVICE MENU (2) Replace ICs. Be sure to use memory ICs written with the initial data values. 3 AUDIO 3) Power on Plug the power code into the outlet and switch the power on. (4) Check and set SYSTEM CONSTANT SET:

- 1) Press the INFORMATION key and the MUTE key of the REMOTE CONTROL UNIT simultaneously.
- 2) The SERVICE MENU screen of Fig. 1 will be displayed.
- 3) While the SERVICE MENU is displayed, press the INFORMATION key and MUTE key simultaneously, and the SYSTEM CONSTANT SET screen of Fig. 2 will be displayed.
- 4) Check the setting values of the SYSTEM CONSTANT SET of Table 1. If the value is different, select the setting item with the FUNCTION UP/DOWN key, and set the correct value with the FUNCTION -/+ key.
- 5) Press the MENU key to memorize the setting value.
- 6) Press the INFORMATION key twice, and return to the normal

(5) Setting of receive channels Set the receive channel.

For setting, refer to the OPERATING INSTRUCTIONS.

(6) User settings

Check the user setting values of Table 2, and if setting value is different, set the correct value. For setting, refer to the OPERATING INSTRUCTIONS.

7) Setting of SERVICE MENU

Verify the setting items of the SERVICE MENU of Table 3, and reset where necessary.

For setting, refer to the SERVICE ADJUSTMENTS

SERVICE MENU 2 VIC 4 DEF 5 VSM PRESET 6 VPS 8 AUTO PROGRAM (CFF) 1-8 SELECT (EX.T

Fig.1

SYSTEM CONSTANT SET

SYSTEM CONSTANT SET

SOFT VER =(V* ****) COUNTRY FR -+ (STORE BEXIT JVC MB WIDE VOO M37207MF-XXXSP

Fig.2

NAME OF REMOTE CONTROL KEY

| Names of key | key |
|------------------|--------------|
| INFORMATION | 0 |
| MUTE | × |
| MENU | ©K) |
| FUNCTION UP/DOWN | (3:5) |
| FUNCTION -/+ | ⊙ ⊙ |

SETTING VALUES OF SYSTEM CONSTANT SET (TABLE 1)

| Setting item | Setting content | Setting value | | | | |
|--------------|-----------------|---------------|------------|------------|------------|--|
| Setting item | | AV-32WZ2EN | AV-32WZ2EP | AV-28WZ2EN | AV-28WZ2EP | |
| 1. COUNTRY | → EN → EP → EK | EN | EP | EN | EP | |
| 2. INCH | 28 → 32 → 24 — | 32 | 32 | 28 | 28 | |
| 3. MODEL | → WP2 — → WZ2 — | WZ2 | WZ2 | WZ2 | WZ2 | |

USER SETTING VALUES (TABLE 2)

| Setting item | | Setting value | Setting | g item | Setting value |
|-----------------------|-----------------------------|--------------------------------|--------------------|----------------|-------------------------------|
| SUB POWER | 2 | ON | | MODE | CINEMA/SPORT |
| CHANNEL | | 1 POSITION | PROLOGIC | LEVEL | CENTER |
| CHANNEL PRESET VOLUME | | See;OPERATING INSTRUCTUONS. | 3D PHONIC | TV/SPEAKER | L/R |
| | | Appropriate sound volume | | VOLUME | MAX |
| TV / EXT | | TV | | MODE | PHANTON |
| DISPLAY | | CHANNEL DISPLAY | DOLBY PRO | TV SPEAKER | L∕R |
| ZOOM MODE | | REGULAR | LOGIC | TEST TONE | OFF |
| POWER BAS | s | OFF | | VOLUME | MAX |
| PIP | | | INSTALL | LANGUAGE | ENGLISH |
| | LFR | OFF | EXT SOURCE | EXT SETTING | ID:NO INPUT S-IN:NO INPUT |
| | VNR | OFF | 2,7,000,102 | DUBBING | EXT-1→EXT-2 |
| | 4:3 AUTO ASPECT | PANORAMIC | | SLEEP TIMER | OFF |
| PICTURE FEATURE | COLOR SYSTEM | TV:depend on PR EXT:AUTO | FEATURES | BLUE BACK | ON |
| | PIP POSITION | | | CHILD LOCK | ID NO.0000 all channel off |
| | MULTI PICTURE | | | TINT | COOL |
| | PICTURE TILT | CENTER | PICTURE SETTING | SETTING | RESET |
| | BASS,TRE BALA | CENTER | Ĭ | ECO | OFF |
| | SPEAKER | ON | | | |
| SOUND | HEAD PHONE VOLUME | 20 | | | |
| SETTING | HEAD PHONE OUTPUT | MAIN | | | |
| | HEAD PHONE TV SPEAKER | OFF | | | |
| DIGITAL SRR | OUND | OFF | | | |

SERVICE MENU SETING ITEMS (TABLE 3)

| Setting item | Setting value |
|------------------------|--|
| 4. DEF. 5. VSM PRESET | 1. V-SHIFT 2. V-SLOPE 3. V-SIZE 4. H-CENT 5. H-SIZE 6. EW-PIN 7. EW-COR 8. TRAPEZ 9. V-S.CR 10. EHT-COMP 11. CLAMP 1. BRIGHT 2. CONT. 3. COLOUR 4. SHARP 5. HUE 6. R DRIVE 7. G DRIVE 8. B DRIVE 9. BASS 10. TREBLE VPS 1. MAIN BRIGHT 2. MAIN R-Y 3. MAIN B-Y 4. SUB BRIGHT 5. SUB B-Y 7. V-CENTER 8. H-CENTER ON/OFF |
| _ | 5. VSM PRESET COOL NORMAL WARM 6. VPS (Do not adjust) 7. PIP (WZ model cannot be adjusted.) |

SERVICE ADJUSTMENTS

BEFORE STARTING SERVICE ADJUSTMENT

- 1. There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
- 2. The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- 3. Turn on the power of the TV and measuring instrument for warming up for at least 30 minutes before starting adjustment.
- 4 Make sure that connection is correctly made to AC power
- 5. If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- 6. Never touch parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

7. Preparation for adjustment (presetting): Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT:

| (1) PICTURE MODE (VSM) | COOL | | |
|------------------------|---------|--|--|
| (2) SLEEP TIMER | OFF | | |
| (3) DIGITAL SURROND | OFF | | |
| (4) BALANCE | CENTER | | |
| (5) ECO | OFF | | |
| (6) ZOOM | REGULAR | | |

MEASUREING INSTRUMENT AND FIXTURES

- 1 DC voltmeter (or digital voltmeter)
- 2. Oscilloscope
- 3. Signal generator (Pattern generator) [PAL/SECAM/NTSC]
- 4. Remote control unit

ADJUSTMENT ITEMS

- Check of B1 voltage.
- Adjustment of FOCUS.
- IF circuit adjustment.
- VSM preset adjust setting.
- VIDEO / CHROMA circuit adjustment.
- DEFLECTION circuit adjustment.
- AUDIO circuit adjustment. (Do not adjust)

BASIC OPERATION OF SERVICE MENU

1. TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

2. SERVICE MENU ITEMS

With the SERVICE MENU, various settings (adjustments) can be made, and they are broadly classified in the following items of settings (1) 1. IF This mode adjusts the setting values of the IF circuit.

(2) 2.V/C · · · · This mode adjusts the setting values of the VIDEO / CHROMA circuit.

(3) 3.AUDIO/OSD·····This mode adjusts the setting values of the multiplicity SOUND circuit.

(4) 4.DEFThis mode adjusts the setting values of the DEFLECTION circuit for each aspect mode given below

PANORAMIC (50/60Hz) REGULAR (50/60Hz) 14:9 ZOOM (50/60Hz) 16:9 ZOOM (50/60Hz) 16:9 ZOOM SUB TITLE (50/60Hz) FULL (50/60Hz)

(5) 5.VSM PRSET This mode adjusts the initial setting values of COOL, NOMAL and WARM.

(VSM : Video Status Memory)

(6) 6.VPS This mode shows the monitor of the VPS and PDC (Do not adjust)

(VPS : Video Program System, PDC : Program Delivery Code)

(7) 7.PIP This mode adjusts the setting values of the PIP circuit (But WZ model cannot be adjusted.)

(8) 8.AUTO PROGRAM By turning the power switch on, you can get the state of AUTO PROGRAM. (Do not adjust)

3. BASIC OPERATION OF SERVICE MENU

(1) How to enter SERVICE MENU

Press the INFORMATION key and the MUTE key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig. 1 will be displayed.

| SER | VICE MENU |
|------------|--------------|
| SE | RVICE MENU |
| 1. IF | 2. V/C |
| 3. AUDIO | 4 DEF |
| | ESET 6 VPS |
| 7. P!P | |
| 8. AUTO PS | ROGRAM (OFF) |
| 1-8 SELEC | CT B EXIT |

Fig.1

(2) Selection of SUB MENU SCREEN

Press one of keys 1~7 of the REMOTE CONTROL UNIT and select the SUB MENU SCREEN (See Fig. 3), form the SERVICE MENU.

SERVICE MENU - SUB MENU

1. IF

2. V / C

3. AUDIO/OSD

4. DEF.

5. VSM PRESET

6. VPS

7. PIP

8. AUTO PROGRAM

| NEME OF REMOTE CONTOROL KEY | | | | | |
|-----------------------------|----------|--|--|--|--|
| Names of key | key | | | | |
| INFORMATION | | | | | |
| MUTE | 及 | | | | |
| MENU | ©K | | | | |
| FUNCTION UP/DOWN | € | | | | |
| FUNCTION -/+ | ⊙⊙ | | | | |

Fig 2

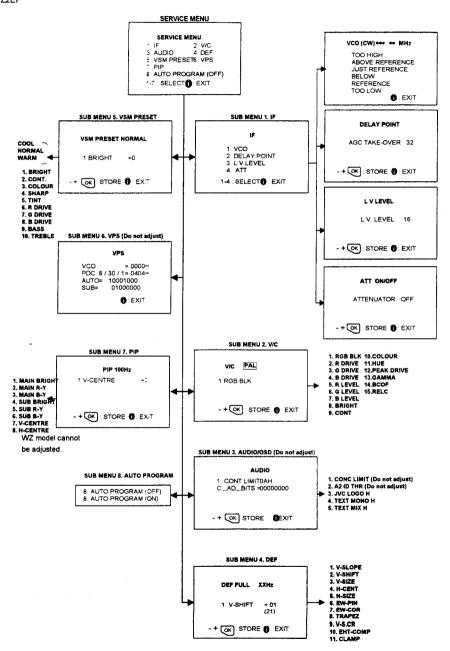


Fig. 3 SUB MENU SCREEN

1) Method of Setting 1.IF [1. VCO] ① 1 Key · · · · · Select 1.iF. ② 1 Key · · · · · Select 1.VCO 3 The VCO (CW) screen will be displayed in yellow when the AFC voltage is at a certain level and in blue when it is at other levels. (4) INFORMATION Key As you press this twice, you will return to the SERVICE MENU. [2. DELAY POINT] ① 1 Key · · · · · Select 1.IF. 2 2 Key · · · · · Select 2.DELAY POINT. ③ FUNCTION -/+ ····· Set (adjust) the setting values of the setting items. MENU Key Memorize the set value. (Before storing the setting values in memory, do not press the CH, TV, POWER ON / OFF keys - if you do, the values will not be stored in memory.) ⑤ INFORMATION Key · · · · · · · When this is pressed twice, you will return to the SERVICE MENU. 2) Method of setting 2.V/C, 3.AUDIO, 4.DEF, 5.VSM PRESET and 7.PIP. ① 2~5,7 Key·····Select one from 2. V/C, 3. AUDIO, 4. DEF, 5. VSM PRESET and 7.PIP. ② FUNCTION UP/DOUN Key · · · · · · Select setting items. 3 FUNCTION -/+ ····· Set (adjust) the setting values of the setting items. (When 1.RGB BLK of 2.V/C is selected, press the FUNCTION-/+ key, and the whole will change to a black picture. Press the 2 key, and the screen will return to the original screen.) MENU Key Memorize the setting value. (Before storing the setting values in memory, do not press the CH, TV, POWER ON / OFF key - $\,$ if you do, the values will not be stored in memory.) 5 INFOMATION Key Return to the SERVICE MENU screen. 3) Method of setting 6.VPS and 8.AUTO PROGRAM. 6.VPS · · · · · This mode displayed monitor of VPS systems. Do not adjust 8.AUTO PROGRAM · · · · · · · When the MAIN POWER is turned on with the state of AUTO PROGRAM ON, you get a mode that initializes every existing set value including language selection. Because this mode is set

(4) Release of SERVICE MENU

(3) Method of Setting

1) After completing the setting, return to the SERVICE MENU, then again press the INFORMATION key.

adjust in this mode.

15

at the factory upon completion of the adjustment, you need not to use it for service. Do not

POWER SUPPLY CHECK

| ttern | Measuring instrument | Test point | Adjustment part | Description |
|------------------------|-------------------------------------|---|-----------------|--|
| Check of B1 voltage | Signal generator DC voltmeter | TP-91(B1) TP-E [X connector in POWER DEF PWB] | | 1. Receive a whole black signal. 2. Connect a DC voltmeter to TP-91(B1) and TP-E. 3. Make sure that the voltage is DC141.4±2.0V. |

FOCUS ADJUSTMENT

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| ltem | Measuring instrument | Test point | Adjustment part | Description |
|---------------------|----------------------|------------|-----------------------|--|
| Adjustment of FOCUS | Signal generator | | FOCUS VR [In HVT] | 32 model 1. By turning the black VR FOCUS 2, adjust the picture so that the 5th vertical line from the left side of the cross-hatch picture becomes thinnest. 2. By turning the red VR FOCUS 1, adjust the picture so that the 3rd honzontal line from the upper side of the cross-hatch picture becomes uniform at the line center and its periphery. 3. Carry out adjustment by repeating the steps 2 and 3 above. 4. Make sure that when the screen is darkened, the lines remain in good focus. [28 model 1. Receive a cross-hatch signal. 2. While watching the screen, adjust the FOCUS VR to make the vertical and horizontal lines as fine and sharp as possible. 3. Make sure that when the screen is darkened, the lines remain in good focus. |
| RED Focus | | | BLACK FOCUS 2 SCREEN | |

IF CIRCUIT ADJUSTMENT

| item | Measuring instrument | Test point | Adjustment part | Description |
|-------------------------------|--|---|--|--|
| Adjustment of /CO MAIN) | VCQ(CW) **** TOO HIGH | | P. CW TRANSF. (T080) P.L-VL CW TRIM C (C082) [In IF PWB] | Do not make any adjustment unless the adjustment is out way and you cannot get correct PICTURE. Select 1.IF from the SERVICE MENU. Press 1 key and select 1.VCO. Select a receivable broadcast channel with the CHANNEL ke Turn the core of P. CW TRANSF, until the colour of t characters TOO HIGH displayed on the screen changes frobiue to Yellow. (Step 1) Turn the core of P. CW TRANSF, until the colour of the core of P. CW TRANSF, until the colour of the core of P. CW TRANSF. |
| | ABOVE REFER JUST REFEREI BELOW REFER TOO LOW | NCE - | YELLOW | characters TOO LOW changes from blue to <u>Yellow</u> . (Step 2) 6. Then slowly turn back the core of P. CW TRANSF. until to colour of the characters JUST REFFERENCE changes from blue to <u>Yellow</u> . (Step 3) 7. In the district SECAM L broadcast channel with the CHANNI key and adjust the P.L-VL CW TRIM. C in same manner as a above step. And necessary, readjust P. CW. TRANSF. 8. Press the INFORMATION key three times to return to norm screen. 9. Perform CHANNEL PRESET again, and make sure that each |
| TOO HIG ABOVE R JUST RE | EFERENCE B FERENCE B REFERENCE B | 1 →2 eilow → Blue lue → Blue lue → Blue iue → Blue | e → Blue e → <u>Yellow</u> | broadcast is being received properly. |
| djustment of ELAY POINT | Remote control unit | | DELAY POINT (AGC TAKE-OVER) | 1. Receive a black and white signal (colour off). 2. Select 1.IF from the SERVICE MENU. 3. Select 2.DELAY POINT by pressing the 2 key on the remonant of the control. 4. Adjust the FUNCTION - or + key until video noise disappears. |
| | ng item ment item) | Variable range | Initial setting value | 5. Press the MENU key and memorize the set value. 6. Turn to other channels and make sure that there are |
| DELAY F | OINT KE-OVER) | 0~63 | 30 | irregularities. |
| djustment of | Remote control unit Oscilloscope | | L, V LEVEL | Receive a color bar signal. (SECAM-L,75% white) Connect the oscilloscope to EXT-1 PIN 19. Select 1.IF from the service Menu. |

VSM PRESET SETTING

| Item | Measuring instrument | Test point | Adjustment part | Description | | | | | |
|------------------------------------|---------------------------|------------|--|---|------------|-----------|------|--|--|
| Setting of VSM PRESET ADJUST | Remote control unit | | 1. BRIGHT 2. CONT. 3. COLOUR 4. SHARP 5. HUE 6. R DRIVE 7. G DRIVE 8. B DRIVE 9. BASS 10. TREBLE | 1. Select COOL with the MENU key of the remote control unit. 2. Select 5.VSM PRESET from the SERVICE MENU. 3. Adjust the FUNCTION UP/DOWN and -/+ key to bring the values of 1.BRIGHT ~ 10.TREBLE to the values shown in table. 4. Press the MENU key and memorize the set value. 5. Respectively select the VSM PRESET mode for REGULAR a WARM, and make similar adjustment as in 3 above. 6. Press the MENU key and memorize the set value. • Refer to OPERATING INSTRUCTIONS for the PICTU MODE. | | | | | |
| | | | VSM preset mode Setting item 1. BRIGHT SETTING VALUE 2. CONT. SETTING VALUE 3. COLOUR SETTING VALUE | | COOL | REGULAR | WARM | | |
| | | | | | +0 | +0 | +0 | | |
| | | | | | +13 | +10 | +2 | | |
| | | | | | +2 | +0 | -2 | | |
| | · | | 4. SHARP SETTING | VALUE | +0 | +0 | -2 | | |
| | And the Post of Section 1 | | 5. HUE SETTING | VALUE | +0 | +0 | +0 | | |
| | | | 6. R DRIVE SETTING | VALUE | -5 | +0 | +14 | | |
| | | | 7. G DRIVE SETTING V | VALUE | +11 | +0 | +15 | | |
| | | | 8. B DRIVE SETTING V | VALUE | +0 | +0 | -6 | | |
| | | | 9 BASS SETTING | VALUE | +0 | +0 | 0 | | |
| | | | 10.TREBLE SETTING | | +0 | +0 | 0 | | |
| | | | | SETTING V | ALUES OF V | SM PRESET | | | |
| | | | 1 | | | | | | |

VIDEO/CHROMA CIRCUIT ADJUSTMENT

The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values.

The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

| Setting Item (Adjustment Item) | Initial setting value |
|------------------------------------|-----------------------|
| 1.RGB BLK | |
| 2.R.DRIVE | +12 |
| 3.G.DRIVE | +2 |
| 4.B.DRIVE | +0 |
| 5.R.LEVEL | +0 |
| 6.G.LEVEL | +0 |
| 7.B.LEVEL | +0 |
| 8.BRIGHT | -10 |
| 9.CONTRAST | -5 |

| Colour system | Initial se | Initial setting value | | | |
|---------------|---------------|------------------------|--|--|--|
| Setting item | PAL/ SECAM | NTSC 3.58 NTSC 4.43 | | | |
| 10.COLOUR | -4/0 | 0 | | | |
| 11.HUE | | 0 | | | |
| 12.PEAK DRIVE | +5 | | | | |
| 13.GAMMA | -21 | | | | |
| 14.VCOF | +0 | | | | |
| 16.RELC | +0 | | | | |
| | | | | | |
| | | | | | |
| *** | | | | | |

| Item | Measuring instrument | Test point | Adjustment part | Description |
|--------------------------------|---|------------|--|--|
| Adjustment of WHITE BALANCE | Signal generator Remote control unit | | 2.R DRIVE 3.G RIVE 6.R LEVEL 6.G LEVEL 7.B LEVEL | Set the PICTURE MODE to COOL. Receive a black and white signal(colour off). Select 2. V/C from the SERVICE MENU. Modify 2. R DRIVE and 3.G DRIVE data to adjust the white balance (high light) Modify 5. R LEVEL, 6. G LEVEL and 7. B LEVEL data to adjust the white balance of low light. Components. Press the MENU key and memorize the set value. |
| Adjustment of SUB BRIGHT | control unit | | 8.BRIGHT | 2. Select 2.V/C from the SERVICE MENU. 3. Select 8.BRIGHT with the FUNCTION UP/DOWN key. 4. Set the initial setting value with the FUNCTION -/+ key. 5. If the brightness is not the best with the initial setting value make fine adjustment until you get the best brightness. 6. Press the MENU key and memorize the set value. |
| Adjustment of SUB CONT. | Remote control unit | | S.CONT. | 1. Receive any broadcast. 2. Select 2.V/C from the SERVICE MENU. 3. Select 9.CONT with the FUNCTION UP/DOWN key. 4. Set the initial setting value with the FUNCTION - or + key. 5. If the contrast is not the best with the initial setting value, make fine adjustment until you get the best contrast. 6. Press the MENU key and memorize the set value. |

| ltem | Measuring instrument | Test point | Adjustment part | Description |
|----------------------|----------------------|------------|--|--|
| Adjustment of SUB | Remote control unit | | 10.COLOUR (PAL~NTSC) | [Method of adjustment without using measuring instrument] |
| COLOUR (| | | PAL COLOUR | (PAL COLOUR) 1. Receive PAL broadcast. 2. Select 2.V/C from the SERVICE MENU. 3. Select 10.COLOUR with the FUNCTION UP/DOWN key. 4. Set the initial setting value for PAL COLOUR with the FUNCTION - or + key. 5. If the colour is not the best with the initial set value, make fine adjustment until you get the best colour. 6. Press the MENU key and memorize the set value. |
| | | | SECAM COLOUR | (SECAM COLOUR) 1. Receive a SECAM broadcast. Make fine adjustment of SECAM COLOUR in the same manner as for above. |
| | | | SAME AND ADDRESS OF THE PROPERTY OF THE PROPER | |
| | | | NTSC COLOUR | (NTSC 3.58 COLOUR) 1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal from the EXT terminal. 2. Make similar fine adjustment of NTSC 3.58 COLOUR in the same manner as for above. |
| | | | | (NTSC 4.43 COLOUR) 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values. |
| | | | | |
| | | | | |

| ltem | Measuring instrument | Test point | Adjustment part | Description |
|-----------------------------------|----------------------------------|-------------------------------------|-------------------------|--|
| Adjustment of SUB COLOUR II | Signal generator # | TP-47B TP-E() [CRT SOCKET | 10.COLOUR (PAL~NTSC) | [Method of adjustment using measuring instrument] |
| | Oscilloscope Remote control unit | DWD 1 | PAL COLOUR | (PAL COLOUR) 1. Receive a PAL full field colour bar signal(75% white). 2. Select 2.V/C from the SERVICE MENU. 3. Select 5.COLOUR with the FUNCTION UP/DOWN key. 4. Set the initial setting value of PAL COLOUR with the FUNCTION - or + key. 5. Connect the oscilloscope between TP-47B and TP-E 6. Adjust PAL COLOUR and bring the value of (A) in the illustration to 8V (voltage difference between white (w) and blue (B)). 7. Press the MENU key and memorize the setting value. |
| | Cy Mg B | 0) (-) | SECAM COLOUR | (SECAM COLOUR) 1. Receive a SECAM full field colour bar signal(75% white). 2. Set the initial setting value of SECAM COLOUR with the FUNCTION -/+ key. 3. Adjust SECAM COLOUR and bring the value of (A) of the illustration to 6V. 4. Press the MENU key and memorize the setting value. |
| | | (*) | NTSC COLOUR | (NTSC 3.58 COLOUR) 1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. 2. Set the initial setting value of NTSC 3.58 COLOUR with the FUNCTION -/+ key. 3. Adjust NTSC 3.58 COLOUR and bring the value of (A) of the illustration to 2V(W~B). 4. Press the MENU key and memorize the setting value. (NTSC 4.43 COLOUR) 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values. |
| | | | | |

| DEFLECTION | CIRCUIT | THEMTSULGA |
|------------|---------|------------|
| | | |

There are 3 modes of the adjustment (1) 50Hz mode (①PANORAMIC ②FULL ③SUBTITLE), (2) 60Hz mode (each aspect mode) · · · · · · depending upon the kind of signals (vertical frequency 50Hz / 60Hz).

- When the 50Hz PANORAMIC mode has been established, the setting of other modes will be done automatically.
 However, if the picture quality has not been optimized, adjust each mode again, respectively.
- The adjustment using the remote control unit is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- Regular and Zoom switching is conducted not by the Deflection circuit, but by the 100 Hz PWB. Therefore, the deflection system cannot be adjusted in these modes.

[32 model]

| | | Initial setting value | | | | | | | | |
|--------------|-----------------------------------|-----------------------|------|------|-------|----------|------|--|--|--|
| Setting item | Adjustment name | FL | JLL | PANO | RAMIC | SUBTITLE | | | | |
| | | 50Hz | 60Hz | 50Hz | 60Hz | 60Hz | 60H2 | | | |
| 1.V- SHIFT | Vertical center | 3 | 0 | 0 | 0 | 0 | 0 | | | |
| 2.V- SLOPE | Vertical def. Start position | 14 | -7 | 2 | -9 | 0 | 2 | | | |
| 3.V-SIZE | Vertical height | 33 | 2 | -1 | -1 | 20 | -1 | | | |
| 4.H-CENT | Horizontal center | 23 | -3 | 0 | -1 | 0 | -2 | | | |
| 5.H-SIZE | Horizontal width | 23 | -1 | 8 | -1 | -1 | 0 | | | |
| 6.EW-PIN | Side pin correction | 42 | 0 | -3 | 0 | 3 | 0 | | | |
| 7.EW-COR | Side pin four corner correction | 36 | 0 | -10 | -8 | -7 | 0 | | | |
| 8.TRAPEZ | Trapezoidal distortion correction | 3 | 0 | -1 | -1 | 0 | 1 | | | |
| 9.V-S.CR | Vertical height correction | 8 | ٥ | 12 | 0 | 5 | 0 | | | |
| 10.EHT-COMP | Size Regulation | 30 | 0 | 0 | 0 | 0 | 0 | | | |
| 11.CLAMP | CLAMP Position | 0 | 0 | 0 | 0 | 0 | 0 | | | |

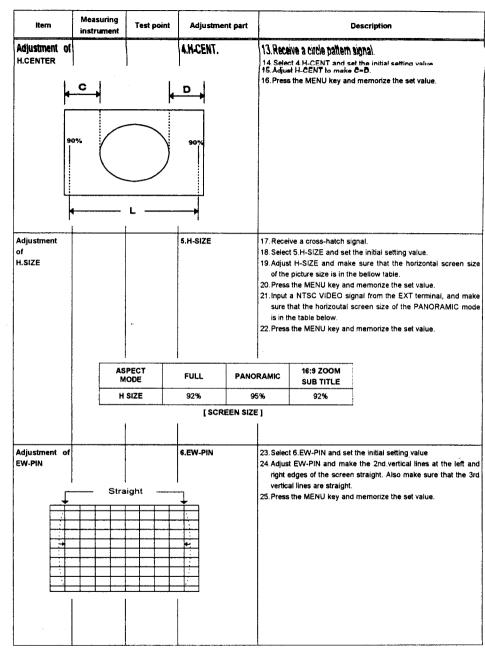
[28 model]

| | | Initial setting value | | | | | | | | |
|--------------|-----------------------------------|-----------------------|------|------|-------|----------|------|--|--|--|
| Setting item | Adjustment name | FL | ILL | PANO | RAMIC | SUBTITLE | | | | |
| | | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | | | |
| 1.V- SHIFT | Vertical center | 3 | 0 | 0 | 0 | 3 | . 0 | | | |
| 2.V- SLOPE | Vertical def. Start position | 14 | -7 | 2 | -9 | 0 | 2 | | | |
| 3.V-SIZE | Vertical height | 35 | 2 | 3 | 0 | 14 | 5 | | | |
| 4.H-CENT | Horizontal center | 25 | -3 | 0 | -3 | 0 | -3 | | | |
| 5.H-SIZE | Horizontal width | 29 | -1 | 7 | -1 | 0 | -1 | | | |
| 6.EW-PIN | Side pin correction | 30 | -1 | 4 | 3 | 9 | 2 | | | |
| 7.EW-COR | Side pin four corner correction | 10 | -3 | 18 | 6 | 10 | 3 | | | |
| 8.TRAPEZ | Trapezoidal distortion correction | 3 | 1 | 0 | 0 | 0 | 0 | | | |
| 9.V-S.CR | Vertical height correction | 8 | 0 | 12 | 0 | 5 | 0 | | | |
| 10.EHT-COMP | Size Regulation | 25 | 0 | 0 | 0 | 0 | ٥ | | | |
| 11.CLAMP | CLAMP Position | 0 | 0 | 0 | 0 | 0 | 0 | | | |

| Item | Measuring instrument | Test point | Adjustment part | Description |
|--|--|------------------------|-----------------|--|
| Adjustment of | Remote control unit | | 11.HUE | [Method of adjustment without using measuring instrument] |
| SUB TINT I | | | NTSC 3.58 TINT | [NTSC 3.58 TINT] 1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full fle colour bar with 75% white) from the EXT terminal. 2. Select 2.V/C from the SERVICE MENU. 3. Select 11.HUE with the FUNCTION UP/DOWN key. 4. Set the initial setting value of NTSC 3.58 TINT with the FUNCTION -/+ key. 5. If you cannot get the best tint with the initial setting value make fine adjustment until you get the best tint. 6. Press the MENU key and memorize the set value. |
| | | | NTSC 4.43 TINT | [NTSC 4.43 TINT] 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set a the respective values. |
| Adjustment of | Signal generator | TP-47B TP-E | 11.HUE | [Method of adjustment using measuring instrument] |
| SUB TINT II | Oscilloscope Remote control unit | ICRT SOCKET PWB] | NTSC 3.58 TINT | [NTSC 3.58 TINT] 1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. 2. Select 2.V/C from the SERVICE MENU. 3. Select 11.HUE with the FUNCTION UP/DOWN key. 4. Set the initial setting value of NTSC 3.58 TINT with the FUNCTION - or + key. 5. Connect the oscilloscope between TP-47B and TP-E 6. Adjust NTSC 3.58 TINT to bring the value of (A) in the illustration to 0V (voltage difference between white (W) and magenta(Mg)). 7. Press the MENU key and memorize the setting value |
| (A) (-) (A) (-) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A | | (-) A O (*) | NTSC 4.43 TINT | [NTSC 4.43 TINT] 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set a the respective values. |
| | | | | |

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| ltem | Measuring instrument | Test point | Adjustr | ent part | ent part Description | | |
|-----------------------------------|-------------------------|------------|---------------------|-------------------------|---|--|--|
| Adjustment of V-SHIFT and V-SLOPE | Signal generator Remote | | 1.V. SHIFT A B T | | 1. Re 2. Se 3. Se 4. Ad 5. IF 6. P | lect 4.DEF from the lect 1.V-SHIFT with just V-SHIFT to main it is not enough to a choose "2.V-SLOF ress the MENU key | adjust the "V=SHIFT", "E" and adjust to make A = B. I and memorize the set value. |
| Screen size | Scree | n size | | Picture size 100% | 9. Ad pic 10.Pre 11.Inp sui | just V-SIZE and ma sture size is in the b ess the MENU key out a NTSC VIDEO re that the vertical s a table below. | set the initial setting value. ake sure that the vertical screen size of the ellow table. and memorize the set value. I signal from the EXT terminal, and make screen size of the RANORAMIC mode is in and memorize the set value. |
| | MOD | DE I | FULL | PANORA | міс | 16:9 ZOOM SUB TITLE | |
| | SCRE | | 92% | 87% | | 70% | |
| | SCRE BOTT | | 92% | 87% | | 83% | |
| | | | [SCRI | EEN SIZE] | | | |



| item | Measuring instrument | Test point | Adjustment part | Description |
|-------------------------|----------------------|------------|-----------------|---|
| Adjustment of EW-COR | | | 7.EW-COR | No alignment, but adjust this mode if result of no alignment it too bad. Select 7 EW-COR and set the initial setting value. Adjust EW-COR and make the vertical lines at the four corner of the screen straight. Repress the MENU key and memorize the set value. |
| Adjustment of TRAPEZ | | Para | B.TRAPEZ | [50Hz PANORAMIC mode] 29. Receive a cross-hatch signal of vertical frequency 50Hz. 30. Select 4.DEF from the SERVICE MENU. 31. Select 8. TRAPEZ with the FUNCTION UP/DOWN key. 32. Set the initial setting value of TRAPEZ with the FUNCTION - o + key. 33. Adjust TRAPEZ and bring the VERTICAL lines at the right and left edges of the screen parallel . 34. Press the MENU key and memorize the set value. |
| Adjustment of V-S.CR | | | 9.V-S.CR | No alignment, but adjust this mode if result of no alignment is too bad. 35 Select 9.V-S.CR and set the initial setting value. 36.Adjust each item to get exact square of cross-hatch pattern. 37.Press the MENU key and memorize the set value. At first the adjustment in 50Hz-PANORAMIC mode should be done, then the data for the other zoom mode is corrected in the respective value at the same time. And confirm the deflection |
| | | | | adjustment initial setting value in 60Hz(NTSC EXT mode PANORAMIC mode. If the adjustment in 50Hz each zoor mode has been done and stored, the data for the same aspec modes in 60Hz is corrected in the respective value. Only the data for the other aspect mode in 60Hz is corrected for itself. |

AUDIO CIRCUIT ADJUSTMENT

3. AUDIO / OSD

| Setting item | Variable range | fixed value |
|-------------------------------------|----------------|-------------|
| 1. CONC LIMIT (Do not adjust) | 00H∼FFH | DAH |
| 2. A2 ID THR <i>(Do not adjust)</i> | 00H∼FFH | 19H |

OSD horizontal position

| ltem | Test point | Adjustment part | | Description |
|-------------|------------|-----------------|----|---|
| JVC LOGO H | | 3.JVC LOGO H | 1. | Select 3.AUDIO / OSD from SERVICE MENU. |
| | | | 2. | Select 3.JVC LOGO H with the FUNCTION -/+ key. |
| | | | 3. | Confirm that JVC LOGO H=00H |
| | | | 4. | Press the MENU Key, and memorize the set values. |
| TEXT MONO H | | 4.TEXT MONO H | 1. | Select 3.AUDIO / OSD from SERVICE MENU. |
| | 1 | | 2. | Select 4.TEXT MONO H with the FUNCTION -/+ key. |
| 00 | 100 00:0 | 0:00 | 3. | Push text key to get a picture of "TEXT-MONO H". |
| 01 | | | 4. | Push "SUBPAGE" key. It gets a picture as shown left. |
| • | | | 5. | Adjust the value of the distance "d" as shown left with the |
| . 00 | INDEX | | | FUNCTION UP/DOWN key. |
| 18 | | | | Push "SUBPAGE" key to check adjustment every adjust. |
| | | | 6. | Press the MENU Key, and memorize the set values. |
| 19 | | | | |
| | | | - | e e |
| d | | | | |
| MOE | DEL | d | | |
| ALL MO | DDELS 5 | ~20mm | | |
| | 1 | | | |

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PARTS LIST

CAUTION

- The parts identified by the A symbol are important for the safety. Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.
- As a rule, the resistors and capacitors which are indicated as shown in "HOW TO EXPRESS PARTS NUMBERS OF STANDARD PARTS" are not shown in the list of the parts on the board.

When ordering the service parts, confirm the resistance/rated power, capacitance/rated voltage, and type of the parts, then order by the part No. indicated according to "HOW TO EXPRESS PARTS NUMBERS OF STANDARD PARTS".

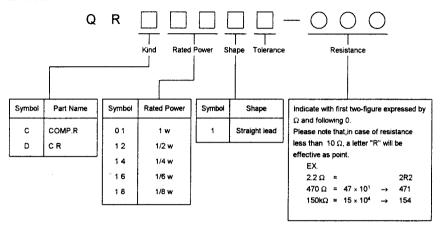
ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

| | RESISTORS | | CAPACITORS |
|---------|--|-----------------|---|
| CR | Carbon Resistor | C CAP. | Ceramic Capacitor |
| FR | Fusible Resistor | E CAP. | Electrolytic Capacitor |
| PR | Plate Resistor | M CAP. | Mylar Capacitor |
| VR | Variable Resistor | HV CAP. | High Voltage Capacitor |
| HVR | High Voltage Resistor | MF CAP. | Metalized Film Capacitor |
| MFR | Metal Film Resistor | ММ САР. | Metalized Mylar Capacitor |
| MG R | Metal Glazed Resistor | МР САР. | Metalized Polystyrol Capacitor |
| MPR " | Metal Plate Resistor | PP CAP. | Polypropylene Capacitor |
| OM R | Metal Oxide Film Resistor | PS CAP. | Polystyrol Capacitor |
| CMF R | Coating Metal Film Resistor | TF CAP. | Thin Film Capacitor |
| UNF R | Non-Flammable Resistor | MPP CAP. | Metalized Polypropylene Capacitor |
| CHVR | Chip Variable Resistor | TAN. CAP. | Tantalum Capacitor |
| CH MG R | Chip Metal Glazed Resistor | CHIC CAP. | Chip Ceramic Capacitor |
| COMP. R | Composition Resistor | BP E CAP. | Bi-Polar Electrolytic Capacitor |
| LPTC R | Linear Positive Temperature Coefficient Resistor | CH AL E CAP. | Chip Aluminum Electrolytic Capacitor |
| | | CH AL BP CAP. | Chip Aluminum Bi-Polar Capacitor |
| | | CH TAN. E CAP. | Chip Tantalum Electrolytic Capacitor |
| | | CH AL BP E CAP. | Chip Tantalum Bi-Polar Electrolytic Capacitor |

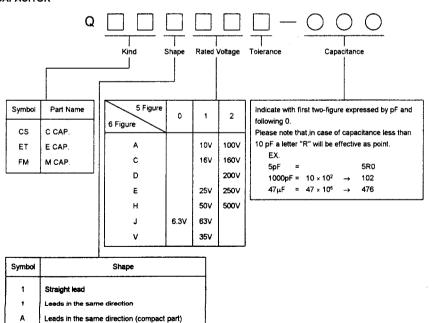
| TOLERANCES | | | | | | | | | |
|------------|------|------|-------|-------|-------|----------------|----------------|----------------|----------------|
| F | G | J | к | М | N | R | н | Z | Р |
| ± 1% | ± 2% | ± 5% | ± 10% | ± 20% | ± 30% | + 30% - 10% | + 50% - 10% | + 80% - 20% | + 100% - 0% |

HOW TO EXPRESS PARTS NUMBERS OF STANDARD PARTS

■ RESISTOR



■ CAPACITOR



CONTENTS

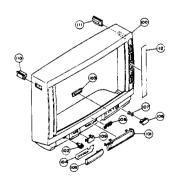
| THIS DAY DOADD & DEMOTE CONTROL UNIT | |
|---|--|
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| ■ EXPLODED VIEW PARTS LIST [AV-28WZ2EN(A)/AV-28WZ2EP(A)]······32 | |
| ■ EXPLODED VIEW PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)]······33 | |
| ■ EXPLODED VIEW34 | |
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| SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2) | |
| • IF PW BOARD ASS'Y (SMB0F7018-U2) | |
| • 100Hz PW BOARD ASS'Y (SMB0Z002B-U2)··················40 | |
| POWER DEF PW BOARD ASS'Y (SMB-2002B-U2) | |
| • CRT SOCKET PW BOARD ASS'Y (SMB-3002B-U2) | |
| • AUDIO PW BOARD ASS'Y (SMB-6001B-U2)···································· | |
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| AV TERMINAL PW BOARD ASS'Y (SMB0J001B-U2) | |
| AUTO ASPECT MODULE PW BOARD ASS'Y (SJF0W001A(U)) | |
| | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] • MAIN PW BOARD ASS'Y (SMB-1003B-U2) | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] • MAIN PW BOARD ASS'Y (SMB-1003B-U2) | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] • MAIN PW BOARD ASS'Y (SMB-1003B-U2) | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] ■ MAIN PW BOARD ASS'Y (SMB-1003B-U2) ■ SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2) ■ IF PW BOARD ASS'Y (SMB0F701B-U2) ■ 100Hz PW BOARD ASS'Y (SMB0Z002B-U2) 56 | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] • MAIN PW BOARD ASS'Y (SMB-1003B-U2) 51 • SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2) 54 • IF PW BOARD ASS'Y (SMBDF701B-U2) 55 • 100Hz PW BOARD ASS'Y (SMB02002B-U2) 56 • POWER DEF PW BOARD ASS'Y (SMB-2003B-U2) 59 | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] • MAIN PW BOARD ASS'Y (SMB-1003B-U2) 51 • SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2) 54 • IF PW BOARD ASS'Y (SMB0Z002B-U2) 55 • 100Hz PW BOARD ASS'Y (SMB0Z002B-U2) 56 • POWER DEF PW BOARD ASS'Y (SMB-2003B-U2) 59 • CRT SOCKET PW BOARD ASS'Y (SMB-3001B-U2) 62 | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] ■ MAIN PW BOARD ASS'Y (SMB-1003B-U2) ■ SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2) ■ IF PW BOARD ASS'Y (SMB0F701B-U2) ■ 100Hz PW BOARD ASS'Y (SMB02002B-U2) ■ POWER DEF PW BOARD ASS'Y (SMB-2003B-U2) ■ CRT SOCKET PW BOARD ASS'Y (SMB-3001B-U2) ■ CRT SOCKET PW BOARD ASS'Y (SMB-3001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-6001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-6001B-U2) ■ 63 | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] ■ MAIN PW BOARD ASS'Y (SMB-1003B-U2) ■ SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2) ■ IF PW BOARD ASS'Y (SMB0F701B-U2) ■ 100Hz PW BOARD ASS'Y (SMB0Z002B-U2) ■ POWER DEF PW BOARD ASS'Y (SMB-2003B-U2) ■ CRT SOCKET PW BOARD ASS'Y (SMB-3001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-6001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-6001B-U2) ■ FRONT CONTROL PW BOARD ASS'Y (SMB-8002B-U2) ■ 63 | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] ■ MAIN PW BOARD ASS'Y (SMB-1003B-U2) ■ SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2) ■ IF PW BOARD ASS'Y (SMB0F701B-U2) ■ 100Hz PW BOARD ASS'Y (SMB0Z002B-U2) ■ POWER DEF PW BOARD ASS'Y (SMB-2003B-U2) ■ CRT SOCKET PW BOARD ASS'Y (SMB-3001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-8001B-U2) ■ FRONT CONTROL PW BOARD ASS'Y (SMB-8002B-U2) ■ FRONT CONTROL PW BOARD ASS'Y (SMB-8002B-U2) ■ DOLBY PW BOARD ASS'Y (SMB-6002B-U2) ■ DOLBY PW BOARD ASS'Y (SMB-6002B-U2) ■ 64 | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] ■ MAIN PW BOARD ASS'Y (SMB-1003B-U2) ■ SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2) ■ IF PW BOARD ASS'Y (SMB0F701B-U2) ■ 100Hz PW BOARD ASS'Y (SMB0Z002B-U2) ■ POWER DEF PW BOARD ASS'Y (SMB-2003B-U2) ■ CRT SOCKET PW BOARD ASS'Y (SMB-3001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-6001B-U2) ■ FRONT CONTROL PW BOARD ASS'Y (SMB-8002B-U2) ■ DOLBY PW BOARD ASS'Y (SMB-8002B-U2) ■ DOLBY PW BOARD ASS'Y (SMB0D002B-U2) ■ DOLBY PW BOARD ASS'Y (SMB0D002B-U2) ■ AV TERMINAL PW BOARD ASS'Y (SMB0J001B-U2) ■ 66 | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] ■ MAIN PW BOARD ASS'Y (SMB-1003B-U2) ■ SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2) ■ IF PW BOARD ASS'Y (SMB0F701B-U2) ■ 100Hz PW BOARD ASS'Y (SMB0Z002B-U2) ■ POWER DEF PW BOARD ASS'Y (SMB-2003B-U2) ■ CRT SOCKET PW BOARD ASS'Y (SMB-3001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-8001B-U2) ■ FRONT CONTROL PW BOARD ASS'Y (SMB-8002B-U2) ■ FRONT CONTROL PW BOARD ASS'Y (SMB-8002B-U2) ■ DOLBY PW BOARD ASS'Y (SMB-6002B-U2) ■ DOLBY PW BOARD ASS'Y (SMB-6002B-U2) ■ 64 | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] ■ MAIN PW BOARD ASS'Y (SMB-1003B-U2) ■ SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2) ■ IF PW BOARD ASS'Y (SMB02F01B-U2) ■ 100Hz PW BOARD ASS'Y (SMB02002B-U2) ■ POWER DEF PW BOARD ASS'Y (SMB-2003B-U2) ■ CRT SOCKET PW BOARD ASS'Y (SMB-3001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-6001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-6001B-U2) ■ FRONT CONTROL PW BOARD ASS'Y (SMB-8002B-U2) ■ DOLBY PW BOARD ASS'Y (SMB0D002B-U2) ■ AV TERMINAL PW BOARD ASS'Y (SMB0J001B-U2) ■ AUTO ASPECT MODULE PW BOARD ASS'Y (SJF0W001A(U)) ■ 66 | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] ■ MAIN PW BOARD ASS'Y (SMB-1003B-U2) ■ SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2) ■ IF PW BOARD ASS'Y (SMBDF701B-U2) ■ 100Hz PW BOARD ASS'Y (SMBD2002B-U2) ■ POWER DEF PW BOARD ASS'Y (SMB-2003B-U2) ■ CRT SOCKET PW BOARD ASS'Y (SMB-3001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-6001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-6001B-U2) ■ FRONT CONTROL PW BOARD ASS'Y (SMB-8002B-U2) ■ DOLBY PW BOARD ASS'Y (SMB-8002B-U2) ■ AV TERMINAL PW BOARD ASS'Y (SMB0J001B-U2) ■ AUTO ASPECT MODULE PW BOARD ASS'Y (SJF0W001A(U)) ■ REMOTE CONTROL UNIT PARTS LIST ■ 66 | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] ■ MAIN PW BOARD ASS'Y (SMB-1003B-U2) ■ SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2) ■ IF PW BOARD ASS'Y (SMBDF701B-U2) ■ 100Hz PW BOARD ASS'Y (SMB0Z002B-U2) ■ POWER DEF PW BOARD ASS'Y (SMB-2003B-U2) ■ CRT SOCKET PW BOARD ASS'Y (SMB-3001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-6001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-8002B-U2) ■ TRONT CONTROL PW BOARD ASS'Y (SMB-8002B-U2) ■ DOLBY PW BOARD ASS'Y (SMB0D002B-U2) ■ AV TERMINAL PW BOARD ASS'Y (SMB0J001B-U2) ■ AUTO ASPECT MODULE PW BOARD ASS'Y (SJF0W001A(U)) ■ REMOTE CONTROL UNIT PARTS LIST ■ 66 ■ PACKING | |
| ■ PRINTED WIRING BOARD PARTS LIST [AV-32WZ2EN(A)/AV-32WZ2EP(A)] ■ MAIN PW BOARD ASS'Y (SMB-1003B-U2) ■ SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2) ■ IF PW BOARD ASS'Y (SMBDF701B-U2) ■ 100Hz PW BOARD ASS'Y (SMBD2002B-U2) ■ POWER DEF PW BOARD ASS'Y (SMB-2003B-U2) ■ CRT SOCKET PW BOARD ASS'Y (SMB-3001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-6001B-U2) ■ AUDIO PW BOARD ASS'Y (SMB-6001B-U2) ■ FRONT CONTROL PW BOARD ASS'Y (SMB-8002B-U2) ■ DOLBY PW BOARD ASS'Y (SMB-8002B-U2) ■ AV TERMINAL PW BOARD ASS'Y (SMB0J001B-U2) ■ AUTO ASPECT MODULE PW BOARD ASS'Y (SJF0W001A(U)) ■ REMOTE CONTROL UNIT PARTS LIST ■ 66 | |

USING P.W. BOARD & REMOTE CONTROL UNIT

| | Model | AV-28WZ2EN(A) | AV-32WZ2EN(A) |
|--------------------------|-------|---------------|---------------|
| P.W.B ASS'Y | | AV-28WZ2EP(A) | AV-32WZ2EP(A) |
| MAIN P.W.B | | SMB-1002B-U2 | SMB-1003B-U2 |
| POWER DEF P.W.B | | SMB-2002B-U2 | SMB-2003B-U2 |
| CRT SOCKET P.W.B | | SMB-3002B-U2 | SMB-3001B-U2 |
| AUDIO P.W.B | | SMB-6001B-U2 | - |
| FRONT CONTROL UNIT | | SMB-80028-U2 | 4 |
| SUB TEXT P.W.B | | SMB-1111B-U2 | 4 |
| DOLBY P.W.B | | SMB0D002B-U2 | + |
| 100Hz P.W.B | | SMB0Z002B-U2 | 4 |
| AV TERMINAL P.W.B | | SMB0J001B-U2 | 4 |
| IF P.W.B | | SMB0F701B-U2 | — |
| AUTO ASPECT MODULE P.W.B | | SJF0W001A(U) | 4 |
| REMOTE CONTROL UNIT | | RM-C793-1E | 4 |

| LXI LUL | ED VIEW PAR | • | | |
|----------------|----------------|------------------|---------------------|-------|
| ⚠ Ref. No. | Part No. | Part Name | Description | Local |
| ∆ V 01 | W66ESF002X44 | ITC TUBE (C) | | |
| ∆ L01 | CELD061-001J2 | DEGAUSSING COIL | | * |
| ∆ 72551 | CETH020-00AJ1 | HVT (SERVICE) | * | * |
| 1 | CHGB0029-0B | BRAIDED ASSY | | |
| 2 | CHGB0017-08 | BRAIDED SUB ASSY | × 2 | |
| 3 | CM36311-001 | KNOB CAP | · | _ |
| 4 | CM12925-003-E | CONTROL BASE | | |
| 5 | CM12925-004-E | CONTROL BASE | | • |
| 6 | CM12923-A01-E | CHASSIS BASE | | * |
| 7 | CM12924-C02-E | AV TERMINAL BASE | | * |
| 8 | SB\$B3012M | TAPPING SCREW | × 7 | * |
| 11 | CHFB125-06BD | FFC WIRE | | * |
| 12 | CHGY0017-0A-YS | ANTENNA CABLE | | * |
| △ 13 | CE41950-001J1 | ANODE CABLE ASSY | | * |
| ₾ 14 | AEEMP001-185 | POWER CORD | | * |
| ∆ 15 | CM46618-A01-E | POWER CORD CLAMP | | * |
| 16 | CHGS0075-AB | S. P WIRE ASSY | | * |
| 17 | CE42112-002 | PALJ CONNECTOR | | |
| 18 | CEBSF10P-05KJ6 | SPEAKER | × 2 SP01/02 | * |
| 21 | 2528MXSP-SZE-E | DOME SPEAKER | × 2 | * |
| 22 | CM12921-001-E | DOME ADAPTER | × 2 | * |
| 23 | CM12922-001-E | DOME BOX | × 2 | * |
| △ 24 | CM12582-A04-E | REAR COVER | | * |
| 25 | GBSA4016N | TAPPING SCREW | × 13 | * |
| ∆ 26 | LC20093-003A-U | RATING LABEL | AV-28WZ2EN(A)ONLY | * |
| ₾ 27 | LC20092-003A-U | RATING LABEL | AV-28WZ2EN(A) | * |
| ∆ 27 | LC20094-003A-U | RATING LABEL | AV-28WZ2EP(A) | * |
| 28 | QQR0778-001 | CORE FILTER | | |
| 29 | QQR0490-001 | NOISE FILTER | × 2 | |
| 30 | CE41355-00B | CORE ASSY | ×4 | |
| 31 | QQR0804-001 | CORE FILTER | | |
| 100 | CM12833-A08-E | FRONT CABINET AS | Include NO. 101~112 | * |
| 101 | CM12966-001-E | CENTER PANEL | | * |
| 102 | CM48229-00A | DOOR LATCH | | * |
| 103 | CM36223-002-H | L. E. D. LENS | | * |
| 104 | CM36587-002 | OPERATION SHEET | | * |
| 105 | CM23132-001 | DOOR | | * |
| 106 | CM36225-010 | POWER KNOB | SERVICE | * |
| 107 | CM35235-003-H | SPRING | | * |
| 108 | CM48125-001 | JVC MARK | | * |
| 109 | CM48076-002-H | C. D. S. WINDOW | | * |
| 110 | CM35865-00U | INSULATER ASSY | SERVICE | * |
| 111 | CM35865-00V | INSULATOR ASSY R | SERVICE | * |
| 112 | CM36171-00A-H | SPEAKER NET | × 2 | * |

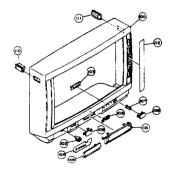
EXPLODED VIEW LIST



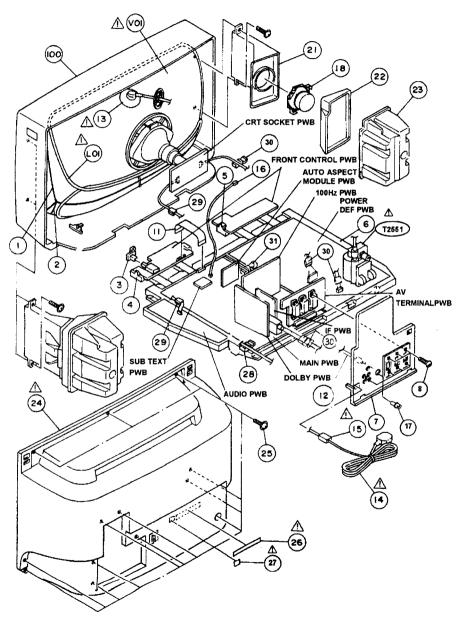
EXPLODED VIEW LIST

| EXPLOD | ED VIEW LIST | • | ด้งอริงกระโรกลังการรา | (1) E (1) |
|---------------|----------------|------------------|-----------------------|-----------|
| △ Ref. No. | Part No. | Part Name | Description | Local |
| △ V 01 | W76ESF031X44 | ITC TUBE (C) | | * |
| ∆ L01 | CELD062-001J2 | DEGAUSSING COIL | | 1 |
| L03 | CELD904-001 | ROTATION COIL | | |
| A 72551 | CETHO21-COAJI | HYT (SERVICE) | | * |
| 1 | CHGB0029-0C | BRAIDED ASSY | | * |
| 2 | CHG80017-08 | BRAIDED SUB ASSY | × 2 | * |
| 3 | CM36311-001 | KNOB CAP | | |
| 4 | CM12925-001-E | CONTROL BASE | | * |
| 5 | CM12925-002-E | CONTROL BASE | | * |
| 6 | CM12923-A01-E | CHASSIS BASE | | * |
| 7 | CM12924-CO2-E | AV TERMINAL BASE | | * |
| 8 | SBSB3012M | TAPPING SCREW | ×7 | * |
| 9 | CM23076-B01-E | TRANSF, HOLDER | _ | * |
| 10 | GBSA4016N | TAPPING SCREW | × 3 | * |
| 11 | CHFB125-12BD | FFC WIRE | | * |
| 12 | CHGY0017-0A-YS | ANTENNA CABLE | | * |
| △ 13 | CE41950-001J1 | ANODE CABLE ASSY | | * |
| △ 14 | AEEMP001-185 | POWER CORD | | * |
| △ 15 | CM46618-A01-E | POWER CORD CLAMP | | * |
| 16 | CHGS0075-AA | S. P WIRE ASSY | | * |
| 17 | CE42112-002 | PALJ CONNECTOR | | |
| 18 | CEBSF10P-05KJ6 | SPEAKER | × 2 SP01/02 | * |
| 21 | 2528MXSP-SZE-E | DOME SPEAKER | × 2 | * |
| 22 | CM12921-001-E | DOME ADAPTER | × 2 | * |
| 23 | CM12922-001-E | DOME 80X | × 2 | * |
| ∆ 24 | CM12737-003-E | REAR COVER | | * |
| 25 | GBSA4016N | TAPPING SCREW | × 13 | * |
| △ 26 | LC20093-002A-U | RATING LABEL | AV-32WZ2EN(A) ONLY | * |
| △ 27 | LC20092-002A-U | RATING LABEL | AV-32WZ2EN (A) | * |
| △ 27 | LC20094-002A-U | RATING LABEL | AV-32WZ2EP(A) | * |
| 28 | QQR0778-001 | CORE FILTER | _ | |
| 29 | QQR0490-001 | NOISE FILTER | × 2 | |
| 30 | CE41355-00B | CORE ASSY | × 5 | |
| 31 | QQR0804-001 | CORE FILTER | | |
| 100 | CM12587-A0Q-E | FRONT CABINET AS | include NO. 101∼112 | * |
| 101 | CM12966-001-E | CENTER PANEL | | * |
| 102 | CM48229-00A | DOOR LATCH | | * |
| 103 | CM36223-002-H | L. E. D. LENS | | * |
| 104 | CM36857-001 | OPERATION SHEET | | * |
| 105 | CM23131-A01 | DOOR | | * |
| 106 | CM36225-010 | POWER KNOB | SERVICE | * |
| 107 | CM35235-003-H | SPRING | | * |
| 108 | CM48125-001 | JVC MARK | | * |
| 109 | CM48076-002-H | C. D. S. WINDOW | | * |
| 110 | CM35865-00U | INSULATER ASSY | SERVICE | * |
| 111 | CM35865-00V | INSULATOR ASSY | SERVICE | * |
| 112 | CM36172-00A-S | SPEAKER NET | × 2 | * |

EXPLODED VIEW



EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST AN 28W72ENIAVAY 28W72ENIAVAY

| | Part No. | | Description | | | Loc |
|----------------|--------------------------------|-------------------|-----------------------|---|----------------|-----|
| RESIST | | | | | _ | |
| R1001 | QRD12CJ-474SX | C R | 470k Ω | 1/2W | J _. | |
| R1206 | QRG019J-101S | OM R | 100 Ω | 1 W | J | |
| R1229 | QRD123J-181SX | CR | 180 Ω | 1/2W | J | |
| R1231 | QRG019J-101S | OM R | 100 Ω | 1 W | J | |
| R1748 | QRB069J-103 | NET. R | | | | |
| CAPACI | | | | * | | |
| C1001 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | |
| C1002 | QETC1HM-107Z | E CAP. | 100 μ F | 50V | M | |
| C1003 | QCZ0120-104MZ | C CAP. | 0.1 μ F | 25V | Z | |
| C1004 | QETN1CM-107Z | E CAP. | 100 µ F | 16V | K | |
| C1005 | QCZ0120-104MZ | C CAP. | 0.1 μ F | 25V | Z | |
| C1006 | QETN1CM-227Z | E CAP. | 220 μ F | 16V | M | |
| C1008 | QETN1HM-106Z | E CAP. | 10 µ F | 507 | M | |
| C1011 | QETN1CH-476Z | E CAP. | 47 μ F | 16V | M | |
| C1012 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | |
| C1201 | GETN1CM-227Z | E CAP. | 220 μ F | 167 | M | |
| C1203-04 | GETNIHM-105Z | E CAP. | | 50V | W | |
| | | | 1 µ F | 50V | w w | |
| C1205-06 | QETN1HM-335Z | E CAP. | 3.3 µ F | | | |
| C1207 | GETN1CH-227Z | E CAP. | 220 μ F | 16V | M | |
| C1209 | QETN1CM-476Z | E CAP. | 47 µ F | 16V | М | |
| C1210 | QETN1CM-477Z | E CAP. | 470 µ F | 16V | M | |
| C1212-13 | QETN1HM-105Z | E CAP. | 1 µ F | 50V | M | |
| C1214-15 | QETN1HM-335Z | E CAP. | 3.3 µ F | 50V | M | |
| C1216-17 | QETN1HM-105Z | E CAP. | 1 μ F | 50V | M | |
| C1218-19 | QETN1CM-476Z | E CAP. | 47 <u>µ</u> F | 16V | M | |
| C1220 | QETN1HM-105Z | E CAP. | 1 μ F | 50V | M | |
| C1221-22 | QETN1CM-107Z | E CAP. | 100 μ F | 16V | M | |
| C1223-24 | GETN1HM-105Z | E CAP. | 1 μ F | 50V | M | |
| C1231-32 | QETN1CM-476Z | E CAP. | 47 µ F | 16V | Ñ | |
| 01301 | QETN1CM-4762 QETN1CM-227Z | E CAP. | 220 μ F | 16V | M | |
| C1302 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | |
| C1304 | GETN1CM-476Z | E CAP. | 47 μ F | 16V | Ñ | |
| | | E CAP. | | 507 | ũ | |
| C1305 | QETN1HM-226Z | | 22 µ F | 50V | | |
| C1306 | QFLC1HJ-223MZ | M CAP. | 0. 022 µ F | | J | |
| C1307-08 | QETN1HM-105Z | E CAP. | 1μΕ | 50V | M | |
| C1311-13 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | |
| C1315 C1316 | QFV71HJ-474MZ QCZ0120-104MZ | TF CAP. C CAP. | 0, 47 μ F 0, 1 μ F | 50V 25V | J Z | |
| | | | · | | | |
| C1317 | QFV71HJ-154MZ | TF_CAP. | 0.15 μ F | 50V | ĭ | |
| C1318 | QCZ0120-104MZ | C CAP. | 0.1μF | 25 V | Z | |
| C1320 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | |
| C1321-22 | QCT25CH-120Z | C CAP. | 12 p F | 50V | J | |
| C1323 | QCZ0120-104MZ | C CAP. | 0.1 μ F | 25V | Z | |
| C1325-26 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | |
| C1327 | QETN1CM-227Z | E CAP. | 220 µ F | 16V | M | |
| C1328-32 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Ž | |
| C1335 | QFLC1HJ-103MZ | M CAP. | 0.01 μ F | 50V | J | |
| C1341 | QEN61HM-1052 | BP E CAP. | 1 μ F | 50V | М | |
| C1348 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | ž | |
| | QCZ0120-104MZ | C CAP. | 0.1 µ F | 25V | Ž | |
| C1350-52 | QFV71HJ-224MZ | TF CAP. | 0. 1μ F 0. 22 μ F | 50V | Ĵ | |
| C1353-55 | | | | 50V | M | |
| 01357 | QETN1HM-105Z | E CAP. | 1 µ F | | | |
| C1358 | QETN1HM-475Z | E CAP. | 4. 7 μ F | 50V | M | |
| C1359 | QETN1HM-105Z | E CAP. | 1μF | 50V | M | |
| C1360 | QETN1HW-335Z | E CAP. | 3.3 µ F | 50V | M | |
| C1363 | QETN1CM-107Z | E CAP. | 100 μ F | 16V | M | |
| C1365 | QEZ0106-228R | E CAP. | 2200 µ H | 107 | M | |
| C1375 | QETN1CM-107Z | E CAP. | 100 μ F | 16V | M | |
| C1610-11 | QCT25CH-2ROZ | C CAP. | 2pF | 50V | J | |
| C1612 | QETN1CH-476Z | E CAP. | 47 µ F | 167 | M | |
| C1615 | GETNIHM-106Z | E GAP. | 10 µ F | 50V | Ä | |
| C1616 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | ž | |
| | QETN1HM-105Z | E CAP. | 1 <i>µ</i> F | 50V | ¥ | |

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| -104MZ C C -105Z E -105Z E -105Z E -105Z E -106Z C E -106Z C C -107Z C C -107Z C C -104MZ C C -107Z C C -107Z C C -107Z C C -104MZ C C -105Z C C C -105Z C C C C C C C C C C C C C C C C C C C | CAP. CAP. CAP. CAP. CAP. CAP. CAP. CAP. | | 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.200 0.200 | 1100 H F F F F F F F F F F F F F F F F F F | 50V 50V 50V 50V 50V 50V 50V 50V 50V 50V | MZM MMAZM MZMMJZMJ ZJZMZJZM MZMJJZZZM | |
|--|---|---------------------|---|--|--|--|--|
| -104MZ C C -105Z E -105Z E -105Z E -105Z E -106Z C E -106Z C C -107Z C C -107Z C C -104MZ C C -107Z C C -107Z C C -107Z C C -104MZ C C -105Z C C C -105Z C C C C C C C C C C C C C C C C C C C | CAP. CAP. CAP. CAP. CAP. CAP. CAP. CAP. | | 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.200 0.200 | 1001-1010 | 25V 50V 50V 25V 50V 25V 50V 25V 50V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25 | ZMMMMZM MZMMJZMJ ZJZMZJZM MZMJJZZZ | |
| -106Z E -105Z E -105Z E -105Z E -105Z E -104WZ C -104WZ C -104WZ C C -105Z E -104WZ C C -104WZ C C -105Z C C C C C C C C C C C C C C C C C C C | CAP. CAP. CAP. CAP. CAP. CAP. CAP. CAP. | | 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.200 0.200 | 10 1 1 10 1 1 10 1 1 1 1 1 1 1 1 1 1 1 | 50V 50V 50V 25V 50V 50V 25V 50V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25 | M M M M M Z M M J Z M J Z J Z M Z J Z M M Z M J J Z Z Z | |
| -105Z E -105Z E -105Z E -105Z E -105Z E -105Z E -106Z E -106Z E -106Z C E -106Z C E -106Z C E -105Z C E -105Z C E -105Z C E -104MZ C C -107Z E -333MZ M C -104MZ C -107Z E -333MZ M C E -104MZ C -105Z E -104Z | CAP. CAP. CAP. CAP. CAP. CAP. CAP. CAP. | | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.20 0.20 | 11/4 FF | 50V 50V 25V 50V 25V 50V 25V 25V 25V 25V 50V 25V 25V 50V 25V 25V 50V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25 | 動材軸で解 紙工制材JZMJ とJZMZJZM MZMJJZZ | |
| -105Z E 1-106Z E 1-106Z E 1-106Z E 1-104MZ C 1-104MZ C 1-104MZ C 1-104MZ C 1-106Z E 1-104MZ C 1- | GAP. GAP. GAP. GAP. GAP. GAP. GAP. GAP. | | 0. 03 0. 03 0. 03 0. 03 0. 03 0. 04 0. 04 0. 05 0. 2 | 1010 10 10 10 10 10 10 10 10 10 10 10 10 | 50V 50V 50V 50V 50V 50V 50V 50V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25 | MMZM MZMMJZMJ ZJZMZJZM MZMJJZZ | |
| -106Z E -104MZ E -104MZ E -104MZ E -106Z E -104MZ C -104MZ C -104MZ C -333MZ M M -3476Z E -104MZ C E -104M | GAP. GAP. GAP. GAP. GAP. GAP. GAP. GAP. | | 0. 03 0. 03 0. 03 0. 03 0. 03 0. 04 0. 04 0. 05 0. 2 | 1010 10 10 10 10 10 10 10 10 10 10 10 10 | 50V 25V 50V 50V 50V 50V 25V 50V 25V 25V 25V 50V 25V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 50V 50V 50V 50V 50V 50V 50V 50V 5 | 桶乙材 MIMMJIMJ とうこうろうしん MIMJJZL | |
| -104MZ C E -106Z E -106Z C E -106MZ C C -104MZ C C -106Z E -333MZ M C -104MZ C C -107Z C C -104MZ C C -104MZ C C -104MZ C C -104MZ C C -474Z E -476Z E -104MZ C C -105Z E -104MZ C C -105Z E -104MZ C C C -104MZ C C C -104MZ C C -104 | CAP. CAP. CAP. CAP. CAP. CAP. CAP. CAP. | | 0. 03 0. 03 0. 03 0. 03 0. 03 0. 04 0. 04 0. 05 0. 2 | 10 | 55V 50V 25V 50V 50V 25V 10V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25 | ZM MZMMJZMJ ZJZMZJZM MZMJJZZ | |
| -104MZ C E -106Z E -106Z C E -106MZ C C -104MZ C C -106Z E -333MZ M C -104MZ C C -107Z C C -104MZ C C -104MZ C C -104MZ C C -104MZ C C -474Z E -476Z E -104MZ C C -105Z E -104MZ C C -105Z E -104MZ C C C -104MZ C C C -104MZ C C -104 | CAP. CAP. CAP. CAP. CAP. CAP. CAP. CAP. | | 0. 03 0. 03 0. 03 0. 03 0. 03 0. 04 0. 04 0. 05 0. 2 | 10 | 55V 50V 25V 50V 50V 25V 10V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25 | ZM MZMMJZMJ ZJZMZJZM MZMJJZZ | |
| -106Z E -106Z E -106WZ E -106WZ E -106G E -106C E -106Z E -104WZ C -107Z E -333WZ M -104WZ C -333WZ M -104WZ C -333WZ M -104WZ C -333WZ M -104WZ C -476Z E -104WZ C | GAP. GAP. GAP. GAP. GAP. GAP. GAP. GAP. | | 0.030 0.030 0.030 0.030 0.030 0.04 0.050 0.22 | 10 | 50V 50V 50V 50V 50V 10V 50V 25V 50V 25V 25V 50V 25V 50V 25V 50V 25V 50V 25V 25V 50V 25V 25V 25V 25V 25V 25V 25V 25 | M M Z M M J Z J Z M Z J Z M M Z M J J Z Z | |
| -104MZ C -106Z E -106Z E -106Z E -106Z E -104MZ C -104MZ C -333MZ M -104MZ C -333MZ M -104MZ C -333MZ M -476Z E -104MZ C -104MZ C -104MZ C -104MZ C -104MZ C | GAP. GAP. GAP. GAP. GAP. GAP. GAP. GAP. | | 0. 03 0. 03 0. 03 0. 03 0. 05 0. 05 0. 05 0. 05 0. 23 | 1 #FF 10 #FF 13 #FF 13 #FF 13 #FF 147 #FF 147 #FF 16 #FF 16 #FF 16 #FF 16 #FF 17 #FF 16 #FF 17 #FF 18 #FF 1 | 25V 50V 50V 25V 10V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25 | ZMMJ2MJ ZJ2MZJ2M MZMJJ2Z | |
| -104MZ C -106Z E -106Z E -106Z E -106Z E -104MZ C -104MZ C -333MZ M -104MZ C -333MZ M -104MZ C -333MZ M -476Z E -104MZ C -104MZ C -104MZ C -104MZ C -104MZ C | GAP. GAP. GAP. GAP. GAP. GAP. GAP. GAP. | | 0. 03 0. 03 0. 03 0. 03 0. 05 0. 05 0. 05 0. 05 0. 23 | 1 #FF 10 #FF 13 #FF 13 #FF 13 #FF 147 #FF 147 #FF 16 #FF 16 #FF 16 #FF 16 #FF 17 #FF 16 #FF 17 #FF 18 #FF 1 | 25V 50V 50V 25V 10V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25 | MMJZMJ ZJZM MZMJJZZ | |
| -106Z E -106Z E -106Z M E -106Z M E -106Z M E -107Z M E -107Z E -3R0Z C C -104MZ C E -104MZ C E -104MZ C E -476Z E -474Z E -474Z E -476Z E -104MZ C E -105Z E -104MZ C E -105Z E -104MZ C E -106MZ C E | CAP. CAP. CAP. CAP. CAP. CAP. CAP. CAP. | | 0. 03 0. 03 0. 03 0. 03 0. 05 0. 4 | 10 #FF 10 #FF 10 #FF 10 #FF 10 #FF 11 #FF 11 #FF 11 #FF 11 #FF 12 #FF 12 #FF 14 #FF 16 #FF 16 #FF 17 #FF 18 #FF 19 | 50V 50V 50V 25V 10V 50V 25V 25V 25V 25V 50V 25V 50V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25 | MMJZMJ ZJZM MZMJJZZ | |
| -106Z | CAP. CAP. CAP. CAP. CAP. CAP. CAP. CAP. | | 0. 03 0. 03 0. 03 0. 03 0. 05 0. 05 0. 05 0. 22 | 10 µF 13 µF 13 µF 10 µF 13 µF 13 µF 14 µF 14 µF 15 µF 16 µF 16 µF 16 µF 16 µF 17 µF | 50V 50V 25V 10V 50V 25V 25V 25V 50V 25V 50V 25V 50V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25 | MJZMJ ZJZMZJZM MZMJJZZ | |
| -333MZ M -104MZ C -1017Z E -333MZ M M -333MZ M M -333MZ M M -104MZ C E -104MZ C E -104MZ C E -104MZ C E -105MZ M M C -474Z E -476Z E -105MZ M M C -105MZ M M C -104MZ C E -104MZ C E -104MZ C -104MZ C E -104MZ C | GAP. GAP. GAP. GAP. GAP. GAP. GAP. GAP. | | 0. 03 0. 16 0. 03 0. 03 0. 05 0. 4 0. 05 0. 2 0. 05 0. 2 | 13 µFF 10 µFF 13 1 µFF 13 1 µFF 13 1 µFF 14 1 µFF 16 µFF 16 µFF 17 1 µFF 18 1 | 25V 25V 50V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25 | J Z M J Z J Z M M Z M J J Z Z | |
| -104MZ C -107Z E -107Z C -107Z C C -104MZ C -333MZ M -104MZ C -476Z E -104MZ C -476Z E -104MZ C -474Z E -476Z E -104MZ C -474Z E -105Z E -105Z E -105GZ MZ -104MZ C -104MZ C -104MZ C -104MZ C -104MZ C -104MZ C | CAP. CAP. CAP. CAP. CAP. CAP. CAP. CAP. | | 0. 16 0. 03 0. 03 0. 05 0. 4 0. 05 0. 2 0. 2 0. 2 | 1 µF 10 µF 13 µF 13 µF 147 µF 147 µF 147 µF 147 µF 148 µF 148 µF 149 | 25V 10V 50V 25V 25V 25V 25V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 50V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25 | ZMJ ZJZMZJZM MZMJJZZ | |
| -107Z E -3R0Z C C -3R0Z C C -104MZ333MZ M -476Z E -104MZ C -104MZ C -104MZ C -104MZ C -476Z E -104MZ E -105MZ M -476Z E -105MZ E -105MZ M -476Z E -105MZ C -476Z E -105MZ C -104MZ C -105Z E -104MZ C -104MZ C | CAP. CAP. CAP. CAP. CAP. CAP. CAP. CAP. | | 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0 | 00 µF 3 pF 13 µF 13 µF 147 µF 147 µF 147 µF 16 µF 16 µF 147 µF | 10V 50V 25V 25V 25V 25V 50V 25V 50V 50V 50V 50V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25 | M J Z J Z M Z J Z M M Z M J J Z Z | |
| -3ROZ C -104MZ C -333MZ M -104MZ C -333MZ M -476Z E -104MZ C -333MZ M -104MZ C -474Z E -104MZ C -474Z E -104MZ C -105Z E -104MZ T -104MZ T -104MZ T -104MZ C -105Z E -104MZ T -104MZ T -104MZ C | CAP. CAP. CAP. CAP. CAP. CAP. CAP. CAP. | | 0. 03 0. 03 0. 03 0. 4 0. 05 0. 4 0. 05 0. 2 | 3 pF 13 µF 17 µF 17 µF 17 µF 17 µF 17 µF 16 µF 16 µF 17 µF | 25V 50V 25V 25V 25V 50V 25V 50V 16V 25V 50V 50V 25V 50V | J Z Z M Z J Z M Z J Z M Z J Z M Z J Z M Z J Z Z M Z J Z Z M J Z J Z | |
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| -333MZ M -104MZ C -476Z E -104MZ C -333MZ M -104MZ C -474Z E -476Z E -476Z E -104MZ C -105Z E -105Z M -224MZ TF -104MZ C -104MZ C | CAP. CAP. CAP. CAP. CAP. CAP. CAP. CAP. | | 0. 03 0. 03 0. 03 0. 4 0. 05 0. 2 0. 2 | 3 µF 1 µF 17 µF 13 µF 13 µF 17 µF 14 µF 16 µF 12 µF 1 µF | 50V 25V 25V 25V 50V 25V 50V 25V 50V 50V 25V 25V 25V 25V | J Z M Z J Z M M Z M J J Z Z | |
| -104MZ C -4476Z C -4476Z C -104MZ C -104MZ C -104MZ C -474Z E -104MZ C C -105Z E -104MZ TF -104MZ TF -104MZ C - | GAP. GAP. GAP. GAP. GAP. GAP. GAP. GAP. | | 0. 05 0. 05 0. 4 0. 05 0. 2 0. 2 0. 2 | 1 µF 17 µF 1 µF 13 µF 17 µF 17 µF 14 µF 16 µF 12 µF 1 µF | 25V 25V 25V 50V 25V 50V 16V 25V 50V 50V 25V 25V 25V | Z M Z J Z M Z M Z J Z Z M Z Z Z M Z Z Z Z | |
| -476Z E -104MZ MZ -476Z E -4774Z E -476Z E -104MZ C -105Z E -105Z E -224MZ TF -104MZ C -105Z E -105Z E -104MZ C | CAP. GAP. GAP. GAP. GAP. GAP. GAP. GAP. G | | 0. 05 0. 05 0. 05 0. 05 0. 22 | 17 µF 1 µF 13 µF 17 µF 17 µF 17 µF 147 µF 16 µF 12 µF 1 µF | 25V 25V 50V 25V 50V 16V 25V 50V 50V 50V 25V 25V 25V | M Z J Z M Z M J J Z Z | |
| -104MZ C C -333MZ M C -104MZ C C -474Z E -476Z E -104MZ C C -563MZ M C -224MZ TF -104MZ C C -104MZ C C -104MZ C C -104MZ C C | GAP. GAP. GAP. GAP. GAP. GAP. GAP. GAP. | | 0. 05 0. 05 0. 4 0. 05 0. 2 0. 2 | 1 μF 13 μF 17 μF 17 μF 1 μF 16 μF 12 μF 1 μF 1 μF | 25V 50V 25V 50V 16V 25V 50V 50V 50V 25V 25V | Z J Z M Z M J J Z Z | |
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| -474Z E -476Z E -104MZ C -1052 E -563MZ M -224MZ TF -104MZ C -104MZ C | GAP. GAP. GAP. GAP. GAP. GAP. GAP. GAP. | | 0. 4 0. 0. 05 0. 2 0. 0. 2 | 17 μF 1 μF 1 μF 1 μF 1 μF 1 μF 1 μF 1 μF | 16V 25V 50V 50V 50V 25V 25V | M Z M J J Z Z | |
| -104MZ C -105Z E -563MZ M -224MZ TF -104MZ C -104MZ C | GAP. CAP. CAP. CAP. CAP. CAP. CAP. | | 0. 05 0. 2 0. 0. 2 | 1μF 1μF 6μF 1μF 1μF | 25V 50V 50V 50V 25V 25V | Z M J Z Z | |
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| -224MZ TF -104MZ C -104MZ C | F CAP. CAP. CAP. CAP. | | 0. 2 0. 0. 2 | 2μF 1μF 1μF | 50V 25V 25V | J Z Z | |
| -104MZ C -104MZ C | CAP. CAP. CAP. | | 0. 0. 2: | 1μF 1μF | 25V 25V | Z Z | |
| -104MZ C | CAP. | | 0. 23 | 1 µ F | 25V | Z | |
| | CAP. | | 2 | | | | |
| -227Z E | CAP. | | | 0 " F | 10V | M | |
| | | | | | | | |
| | | | | 1 µ F | 25V | Z | |
| | CAP. | | • | 5 p F | 50V | J | |
| -104MZ C | CAP. | | 0. | 1 µ F | 25 V | Z | |
| -476Z E | CAP. | | | 17 µ F | 167 | M | |
| | CAP. | | | 1 μ F | 25 V | Z | |
| | CAP. | | | 1 µ F | 25V | ž | |
| | CAP. | | | 0 μ F | 50V | Ñ | |
| | CAP. | | | 17 μ F | 167 | Ñ | |
| -107Z E | CAP. | | 10 | 00 μ F | 16V | M | |
| | CAP. | | | 1μF | 257 | Ž | |
| | | | | | | | |
| | CAP. | | | 1 µ F | 50V | j | |
| | CAP. | | | 1μF | 25V | Z | |
| | CAP. | | | 2 μ F | 50V | J | |
| -107Z E | CAP. | | 10 |)0 μ F | 25V | N . | |
| | | | | | | | |
| -8R2Z PE | EAKING COIL | | | 2 μ H | | | |
| | EAKING COIL | | | 20 μ H | | | |
| | EAKING COIL | | | 22 μ H | | | |
| | EAKING COIL | | | 8 μ H | | | |
| -2R5J7 CH | HOKE COIL | | 2 | 5 μ H | | | |
| -4R7Z PE | EAKING COIL | | 4 | 7 µ H | | | |
| | | | | 2 | | | |
| | | | 6. | 2 11 T | | | |
| -8R2Z P8 | EAKING COIL | | 4. | ιμн | | | |
| -8R2Z P8 | | | | | | | |
| -8R2Z P8 -4R7Z P8 | -NED B:005 | | | | | | |
| -8R2Z PE -4R7Z PE B)-T2 ZE | | | | | | | |
| -8R2Z PE -4R7Z PE B) -T2 ZE T2 S1 | I. DIODE | | | | | | |
| -8R2Z PE -4R7Z PE B) -T2 ZE T2 SI B) -T2 ZE | I.DIODE Ener Diode | | | | | | |
| -8R2Z PE -4R7Z PE B) -T2 ZE T2 SI B) -T2 ZE | I.DIODE Ener Diode | | | | | | |
| -8R2Z PE -4R7Z PE B) -T2 ZE T2 S B) -T2 ZE T2 SI | I.DIODE Ener Diode I.Diode | | | | | | |
| -8R2Z PE -4R7Z PE B)-T2 ZE T2 SI B)-T2 ZE T2 SI T2 SI T2 SI | I.DIODE ENER DIODE I.DIODE I.DIODE | | | | | | |
| -8R2Z PE -4R7Z PE B) -T2 ZE T2 SI T2 SI T2 SI T2 SI T2 SI (8) -T2 ZE | I.DIODE ENER DIODE I.DIODE I.DIODE | | | | | | |
| | | 6-4R7Z PEAKING COIL | 6-4R7Z PEAKING COIL (B) -T2 ZENER DIODE | 6-4R7Z PEAKING COIL 4. | 6-4R7Z PEAKING COIL 4.7 μ H (8) -T2 ZENER DIODE -T2 SI. DIODE (8) -T2 ZENER DIODE -T2 SI. DIODE | 5-4R7Z PEAKING COIL 4.7 μ H (B) -T2 ZENER DIODE -T2 SI. DIODE (B) -T2 ZENER DIODE | 5-4R7Z PEAKING COIL 4.7μH (B) -T2 ZENER DIODE -T2 SI. DIODE (B) -T2 ZENER DIODE -T2 SI. DIODE -T2 SI. DIODE -T2 SI. DIODE |

| Symbol No. | Part No. | Part Name | Description | ι |
|---------------|------------------|--|-------------|---|
| DIODE | | | | |
| D1357 | 1SS133-T2 | SI. DIODE | | |
| | | | | |
| D1358 | 1\$\$133-T2 | SI. DIODE | | |
| D1701-02 | 1SS133-T2 | SI. DIODE | | |
| D1704 | 188146-T2 | SI,DIODE | | |
| | | | | |
| D1705 | 188133-12 | SI. DIODE | | |
| D1710-11 | 188133-72 | SI. DIQDE | | |
| D1751-53 | 133133-T2 | SI. DIODE | | |
| D1754-58 | MTZJ6. 2 (B) -T2 | ZENER DIODE | | |
| D1801-02 | 1\$\$133-T2 | SI. DIODE | | |
| D1803 | #TZJ6. 8 (A) -T2 | ZENER DIODE | | |
| D1804 | 1SS133-T2 | SI. DIODE | | |
| TRANSI | STOR | ************************************** | | |
| Q1201-05 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| Q1206-07 | DTG323TS-T | DIGI. TRANSISTOR | | |
| | | | | |
| Q1208 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| 01209 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| Q1211-12 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| | | | | |
| 01213-14 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| Q1215-16 | DTG323TS-T | DIGI. TRANSISTOR | | |
| Q1217 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| | | | | |
| Q1301 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| Q1302 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| | | | | |
| Q1303-04 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| Q1342 | DTC144ES-T | DIGI. TRANSISTOR | | |
| Q1343-44 | 2PC1815 (YG) ~T | SI. TRANSISTOR | | |
| Q1345 | DTC124ESA-T | DIGI. TRANSISTOR | | |
| | | | | |
| Q1346 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| Q1349 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| 01610 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| Q1611 | DTC323TS-T | DIGI. TRANSISTOR | | |
| | | | | |
| 01613 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| Q1701-04 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| Q1752 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| 01753 | DTC124ES-T | DIGI. TRANSISTOR | | |
| Q1801 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| 1.0 | | | | |
| I C IC1301 | CXA1545AS | I. C (MONO-ANA) | | |
| 101303 | TDA9143 | 1 C | | |
| | | | | |
| 101304 | TDA4665 | I. C (MONO-ANA) | | |
| IC1305 | TDA4780 | I. C (MONO-ANA) | | |
| 101311 | AN77L05-Y | 1. C (MONO-ANA) | | |
| | | | | |
| IC1601 | MSP3410B-PP-F7 | 1. C (DIGI-OTHER) | | |
| IC1701 | M37207EFSP | 1 C | | |
| 101702 | L78LRO5E-MA | I. C (MONO-ANA) | | |
| 101703 | AT24C16-32WP2 | I. C (EP-ROM) | | |
| | | | | |
| 101704 | AT24C16-10PC | i. C (EP-ROM) | | |
| 1C1751 | SDA30C163 | i. C (MICRO-COMP) | | |
| IC1752 | M27C1001-10F1 | I. C. (EP-ROM) | | |
| | | | | |
| IC1753 | AT24C16-10PC | I. C (EP-ROM) | | |
| 1C1754 | SDA5275S | i. C. (MICRO-PROC) | | |
| 101755 | MSM514400C60ZS | I. C (D-RAM) | | |
| 101756 | TC4053BP | I. C (DIGI-MOS) | | |
| 101757 | MN1280-Q | I. C (DIGI-MOS) | | |
| OTHERS | | | | |
| | QQRQ490-001 | NOISE FILTER | × 3 | |
| | | | | |
| | CEMS009-064 | I. C. SOCKET | | |
| | CEMS007~008 | I. C. SOCKET | | |
| | CEMS006-068 | IC SOCKET | | |
| | | | | |
| | CEMS007-032 | IC SOCKET | | |
| | CEMS007-008 | I. C. SOCKET | | |
| EF1001 | CE41433-001Z | BEADS CORE | | |
| EF1610-12 | CE42142-103Z | EMI FILTER | | |
| | | | | |
| K1001 | CE41433-001Z | BEADS CORE | | |

No.51239C

No.51239C

7

| ∠8VV∠ZEP △ Symbol No. | o. Part No. Part Name Description | | Part Name Description | |
|--------------------------|-----------------------------------|---|-----------------------|---|
| OTHERS | | ACTION BOOK AND | | |
| K1003 | CE41433-001Z | BEADS CORE | | * |
| K1005 | CE41492-001Z | CHOKE COIL | | |
| K1009 | CE41433-001Z | BEADS CORE | | * |
| K1011 | CE41433~001Z | BEADS CORE | | * |
| K1013-14 | CE41433-001Z | BEADS CORE | | * |
| K1602 | CE41433-001Z | BEADS CORE | | * |
| K1701-02 | CE41433-001Z | BEADS CORE | | * |
| MD1 | | 100Hz PWB ASSY | (Refer to P40) | |
| MD2 | | IF PWB ASSY | (Refer to P39) | |
| MD3 | | SUB TEXT PB ASSY | (As follows) | |
| TU1001 | CEEK481-A01 | TUNER | | * |
| X1311 | CE40749-001Z | CRYSTAL | | * |
| X1312 | CE40668-001Z | CRYSTAL | | * |
| X1610 | CE42546-001Z | CRYSTAL | | * |
| X1701 | CST8. COMTW | CER. RESONATOR | | * |
| X1751 | QAX0307-001 | CER. RESONATOR | | |
| X1752 | QAX0351-001Z | X TAL | | |

SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2) This PW Board Ass'Y is included in the above MAIN PW Board Ass'Y.

| Ď Symbol No. | Part No. | Part Name | Description | n | | Loca |
|--------------|-----------------|----------------|-------------|-----|---|-----------|
| CAPACI | TOR | | | | | |
| C1001 | QCZ0120-104MZ | C CAP. | 0.1 µ F | 25V | Z | * |
| C1003 | QCT25CH-270Z | C CAP. | 27 p F | 50V | j | * |
| C1005 | QCT25CH-150Z | C CAP. | 15 p F | 50V | j | * |
| C1362 | QCT25CH-270Z | C CAP. | 27 p F | 50V | J | * |
| C1701 | QETN1HM-226Z | E CAP. | 22 µ F | 50V | M | * |
| C1702-04 | QETN1HM~106Z | E CAP. | 10 μ F | 50V | M | * |
| C1705-07 | QCZ0120-104MZ | C CAP. | 0.1 μ F | 25V | Z | * |
| COIL | | | | | | · · · · · |
| L1301 | CELP027-390Z | PEAKING COIL | 39 μ H | | | * |
| TRANSI | STOR | | | | | |
| Q1347 | 2SK301 (P) ~T | F. E. T. | | | | * |
| Q1701-03 | 2PC1815 (YG) -T | S‡. TRANSISTOR | | | | * |
| 1 C | , , , , | | | | | |
| IC1001 | TC74ACOGAP | I C | | | | |

IF PW BOARD ASS'Y(SMB0F701B-U2) This PW Board Ass'Y is included in the above MAIN PW Board Ass'Y.

| Symbol No. | Part No. | Part Name | Description | | ١ |
|------------|-------------------------------|-----------------|--------------------------------|-----|---|
| RESIST | FOR | | | | |
| R0103 | QRSA08J-102YL | CHIP MG R | 1kΩ 1/10W | J | |
| R0104 | QRSAO8J-121YL | CHIP MG R | 120 Ω 1/10W | j | |
| R0105 | QRSA08J-151YL | CHIP MG R | 150 Ω 1/10W | Ĵ | |
| R0106 | QRSA08J-181YL | CHIP MG R | 180 Ω 1/10W | Ĵ | |
| R0107 | QRSA08J-151YL | CHIP MG R | 150 Ω 1/10W | j | |
| CAPAC | TOP | | | | |
| C0020 | NCB21HK-472AY | CHIP CAP. | 4700 p F 50V | K | |
| C0022-25 | NCB21HK-472AY | CHIP CAP. | 4700 p F 50V | K | |
| C0026-27 | NCB21HK-103AY | CHIP CAP. | 0.01 μF 50V | K | |
| C0030 | NGB21HK-472AY | CHIP CAP. | 4700 pF 50V | ĸ | |
| C0040 | NCTO3CH-102AY | CHIP CAP. | 1000 pF 1600V | Ĥ | |
| C0040 | QETN1CM-107Z | E CAP. | 100 μ F 16V | M | |
| | NCB21HK-103AY | CHIP CAP. | 0.01 μF 50V | ĸ | |
| C0042 | | | 100 μF 16V | À | |
| C0043 | GETN1CH-107Z | E CAP. | 100 μ = 104 | - | |
| C0044 | NCB21HK-103AY | CHIP CAP. | 0.01 μ F 50V | K | |
| C0046 | NCB21HK-103AY | CHIP CAP. | 0.01 μ F 50V | K | |
| C0047 | QETN1CM-227Z | E CAP. | 220 μ F 16V | M | |
| C0050 | QETN1HM-105Z | E CAP. | 1 µ F 50V | M | |
| C0051 | NCB21HK-472AY | CHIP CAP. | 4700 p F 50V | ĸ | |
| C0052 | QAT3110-100A | TRIM CAP. | 10 pF 100V | | |
| C0053 | NCTO3CH-6ROAY | CHIP CAP. | 6 p F 1600V | Н | |
| C0054 | NCB21HK-103AY | CHIP CAP. | 0.01 µF 50V | ĸ | |
| C0055 | GETN1CM-107Z | E CAP. | 100 µ F 16V | ¥ | |
| C0056 | QETN1HM-474Z | E CAP. | 0. 47 μ F 50V | W. | |
| C0057 | NCTO3CH-102AY | CHIP CAP. | 1000 pF 1600V | H | |
| C0057 | NCB21HK-472AY | CHIP CAP. | 4700 p F 50V | | |
| | QAT3110-100A | TRIM CAP. | 10 pF 100V | ^ | |
| C0059 | NCTO3CH-120AY | CHIP CAP. | 12 p F 1600V | Н | |
| 00060 | | CHIP CAP. | 7 p F 1600V | H | |
| C0061 | NCTO3CH-7ROAY QETN1HM-474Z | E CAP. | 7 p F 1600 V 0. 47 μ F 50 V | M M | |
| C0062 | UEINIMM-4/4Z | | | | |
| C0063 | NCB21HK-103AY | CHIP CAP. | 0.01 µF 50V | K | |
| C0064 | NCB21HK-472AY | CHIP CAP. | 4700 p F 50V | K. | |
| C0065 | QETN1HM-105Z | E CAP. | 1 μ F 50V | M | |
| C0067 | NCTO3CH-120AY | CHIP CAP. | 12 pF 1600V | Н | |
| C0069-70 | NCB21HK-103AY | CHIP CAP. | 0.01 µ F 50V | K | |
| C0071 | QETN1HM-336Z | E CAP. | 33 μ F 50V | М | |
| C0080-81 | NCB21HK~472AY | CHIP CAP. | 4700 p F 50V | K | |
| C0101 | GETN1CM-476Z | E CAP. | 47 μ F 16 V | M | |
| C0102 | NCTO3CH-391AY | CHIP CAP. | 390 pF 1600V | Н | |
| C0103 | NCTO3CH-121AY | CHIP CAP. | 120 pF 1600V | Н | |
| C0104 | NCTO3CH-181AY | CHIP CAP. | 180 p F 1600V | Н | |
| C0105 | NCF21EZ-104AY | C CAP. | 0.1 μ F 25V | Z | |
| C0140 | QETN1HM-335Z | E CAP. | 3.3 µ F 50V | M | |
| C0141 | NCB21HK-332AY | CHIP CAP. | 3300 p F 50V | K | |
| C0142 | QETN1HM-105Z | E CAP. | 1 μ F 50V | M | |
| C0142 | QFLC1HJ-683MZ | M CAP. | 0.068 μ F 50V | ž | |
| C0144 | QETN1HM-335Z | E CAP. | 3.3 µ F 50V | M | |
| C0145 | NCB21HK-222AY | CHIP CAP. | 2200 p F 50V | ĸ | |
| C0601 | QFLC1HJ-183MZ | M CAP. | 0. 018 μF 50V | Ĵ | |
| C0602 | GETN1CN-476Z | E CAP. | 47 µF 16V | M | |
| C0602 | QETN1HM-106Z | E CAP. | 10 µ F 50V | ũ | |
| C0604 | QETN1HM-105Z | E CAP. | 1 µ F 50V | M | |
| C0605 | QETN1CM-477Z | E CAP. | 470 µF 16V | M | |
| C0606 | NCB21HK-103AY | CHIP CAP. | 0.01 μF 50V | ĸ | |
| | | CERAMIC FILTER | | | |
| CF0010-11 | FTP40. 40MF | CERAMIC FILIER | | | |
| TRANSI | FORMER QQR0626-001 | I.F. TRANSF. | | | |
| T0020 | CELT001-307 | C. WAVE TRANSF. | | | |
| T0051 | CELT001-306 | C. WAVE TRANSF. | | | |
| COIL | | | | | |
| L0020 | CELP041-R47 | PEAKING COIL | 0. 47 μ Η | | |
| | | | 1.5 µ H | | |

No.51239C

| 8WZ2EP | | | | |
|--------------|------------------|------------------|-------------|-------|
| ∆ Symbol No. | Part No. | Part Name | Description | Local |
| COIL | | | | * |
| L0030 | CE41131-2R2Y | INDUCTOR | 2. 2 µ H | * |
| L0040 | CE41131-120Y | INDUCTOR | 12 µ H | * |
| L0041 | CE41131-100Y | INDUCTOR | 10 µ H | |
| L0050-53 | GE41131-8R2Y | INDUCTOR | 8. 2 μ Η | * |
| L0070 | CE41131-5R6Y | INDUCTOR | 5. δ μ H | : |
| L0071 | GE41131-8R2Y | INDUCTOR | 8.2 µ H | |
| L0101 | GE41131~6R8Y | INDUCTOR | 6. 8 µ H | * |
| L0102-03 | CE41131-100Y | INDUCTOR | 10 µ H | • |
| L0104 | CE41131-5R6Y | INDUCTOR | 5.6 µ H | * |
| DIODE | | | | |
| D0020-21 | 1SS85-T5 | SI. DIODE | | |
| D0050-51 | 1SS85-T5 | SI. DIODE | | |
| TRANSI | | | | |
| 00012 | 2SC5083 (L-P) -T | SI. TRANSISTOR | | * |
| 08009 | 2SC2712 (YG) ~X | SI. TRANSISTOR | | * |
| QQ101 | 2SC2712 (YG) ~X | SI. TRANSISTOR | | * |
| 00102 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00103 | DTC144EK-X | DIGI. TRANSISTOR | | * |
| 00104 | 2SC2712(YG)-X | SI. TRANSISTOR | | * |
| 00106 | 2SC2712(YG)-X | SI. TRANSISTOR | | * |
| 00107 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00108 | DTC144EK-X | DIGI. TRANSISTOR | | * |
| Q0109-11 | 2SC2712(YG)-X | SI. TRANSISTOR | | * |
| 00120-26 | DTC144EK-X | DIGI. TRANSISTOR | | * |
| 00601-02 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 1 C | | | | |
| 100010 | TA8865BN | I. C (MONO-ANA) | | |
| OTHERS | | | | |
| CF0100 | TPS5.5MW | CERAMIC FILTER | | * |
| CF0140 | CSB503F30-T2 | CER. RESONATOR | | * |
| △ R0609 | QRZ0054-470M | FR | 47 Ω 1/4₩ J | * |
| SF0010 | QAX0316-001 | SAW FILTER | - | * |
| SF0011 | CE42574-702 | SAW FILTER | | |
| SF0012 | CE42606-701 | SAW FILTER | | |

100Hz PW BOARD ASS'Y (SMB0Z002B-U2)

This PW Board Ass'Y is included in the above MAIN PW Board Ass'Y.

| Part No. | Part Name | Description | | Local | | | | |
|--|---|------------------------|-----|---|--|--|--|--|
| RESISTOR R0302 NRVA02D-1502NY M.F.R 15kΩ 1/10W J | | | | | | | | |
| NRVA02D-1502NY | | | | | | | | |
| NRVA02D-1102NY | CHIP MF R | 11kQ 1/10 | H J | | | | | |
| TOR | | | | | | | | |
| QETN1CM-227Z | E CAP. | | | * | | | | |
| NCF21EZ-104AY | | | | * | | | | |
| QETN1CM-227Z | E CAP. | | | * | | | | |
| NCF21EZ-104AY | C CAP. | | | * | | | | |
| QETN1CM-227Z | E CAP. | | | * | | | | |
| NCF21EZ-104AY | C CAP. | | | * | | | | |
| QETN1CM-227Z | E CAP. | | | * | | | | |
| NCF21EZ-104AY | C CAP. | 0.1μF 25 | V 2 | * | | | | |
| QETN1AM-108Z | E CAP. | 1000 µ F 10 | V M | * | | | | |
| | C CAP. | 150 pF 50 | | * | | | | |
| | CHIP CAP. | 39 p F 1600 | V H | * | | | | |
| | CER CAP. | 270 pF 50 | V J | * | | | | |
| | | 1 µ F 50 | V M | * | | | | |
| | | 0.22 µ F 50 | | | | | | |
| | C CAP. | 0.1 μF 25 | V Ž | * | | | | |
| GETN1CM-476Z | E CAP. | 47 μ F 16 | V M | * | | | | |
| NCS21HJ-151AY | C CAP. | 150 p F 50 | L V | * | | | | |
| | | 39 pF 1600 | V H | * | | | | |
| | | 270 p F 50 | ¥ J | * | | | | |
| | | 1 u F 50 | V M | * | | | | |
| | | | v z | | | | | |
| | | | | * | | | | |
| | | | | * | | | | |
| | | | | * | | | | |
| | O R NRVA02D-1502NY NRVA02D-1102NY T O R QETN1CM-227Z NCF21EZ-104AY QETN1CM-227Z NCF21EZ-104AY QETN1CM-227Z NCF21EZ-104AY QETN1CM-227Z NCF21EZ-104AY QETN1CM-227Z NCF21EZ-104AY QETN1AM-108Z NCS21HJ-151AY NCT03CH-390AY NCS21HJ-1571AY NCS21HJ-1571AY NCS21HJ-271AY NCF21EZ-104AY | O R NRYA02D-1502NY | O R | O R NRVAO2D-1502NY NRVAO2D-1102NY M. F. R CHIP MF R 15kΩ 1/10W J 11kΩ 1/10W J T O R QETN1CM-227Z NCF21EZ-104AY NCF21EZ-104AY CF21EZ-104AY NCF21EZ-104AY CF21EZ-204AY CF21EZ-104AY CF21E | | | | |

| Symbol No. | Part No. | Part Name | Description | L |
|------------|-----------------|-------------|------------------------------|---|
| CAPACI | | | | |
| 0123 | NCS21HJ-271AY | CER, CAP. | 270 p F 50V J | |
| 0126 | QETN1HM-106Z | E CAP. | 10 µF 50V M | |
| 10107 | MOEGIUT_GOALV | | | |
| 30127 | NCF21HZ-224AY | CHIP C CAP. | 0.22 µF 50V } | |
| 0128 | NCF21EZ-104AY | C CAP. | 0.1μF 25V Z | |
| 20191 | NOF91EZ-104AV | E CAP. | | |
| 0132 | QETNOJM-2272 | E CAP. | 220 F 6.3V H | |
| 0133 | NCF21EZ-104AY | C CAP. | 0.1 µ F 25V Z | |
| 0134 | NGF21EZ-104AY | C CAP. | 0.1 μ FF 25V Z | |
| | | 5 010 | | |
| 0135-36 | QETNOJM-227Z | E CAP. | 220 μ F 6.3V M | |
| 0137 | NCF21EZ-104AY | C CAP. | 0.1 µ F 25V Z | |
| 0138 | GETNOJM-227Z | E CAP. | 220 µ F 6 3V M | |
| 0139 | NCF21EZ-104AY | C CAP. | 0.1μF 25V Z | |
| 0142-47 | NCF21EZ-104AY | C CAP. | 0.1μF 25V Z | |
| 0148 | QETNOJM-227Z | E CAP. | 220 µ F 6.3 V M | |
| 0149-54 | NCF21EZ-104AY | C CAP. | 0.1 μF 25V Z | |
| 0155 | NCTO3CH-390AY | CHIP CAP. | 39 p F 1600V H | |
| | | | | |
| 0201-06 | NCF21EZ-104AY | C CAP. | 0.1 µ F 25V Z | |
| 0207 | NCB21HK-103AY | CHIP CAP. | 0.01 μF 50V K | |
| 0208-13 | NCF21EZ-104AY | C CAP. | 0.1 µ F 25V Z | |
| 0214 | NCTO3CH-100AY | CHIP CAP. | 10 p F 1600V H | |
| 0221-38 | NCF21EZ-104AY | C CAP. | 0.1 μ F 25V Z | |
| 0301 | QETNOJM-227Z | E CAP. | 220 µF 6.3V M | |
| 0302 | NCF21EZ-104AY | C CAP. | .0.1μF 25V Z | |
| | QETNOJM-227Z | E CAP. | | |
| 0303 | UE INUJH-ZZ/Z | E UAP. | 220 μ F 6.3V M | |
| 0304 | NCF21EZ-104AY | C CAP. | 0.1 µ F 25V Z | |
| 0307-08 | NCF21EZ-104AY | C CAP. | 0.1 µF 25V Z | |
| 0309 | QETNICM-107Z | E CAP. | 100 µ F 16V M | |
| 0310 | QETNOJM-227Z | E CAP. | 220 µ F 6.3V M | |
| 0311 | NCF21EZ-104AY | C CAP. | 0.1μF 25V Z | |
| | | | | |
| 0313 | NCS21HJ-152AY | CHIP C CAP. | 1500 p F 50V J | |
| 0314-18 | NCF21EZ-104AY | C CAP. | 0.1μF 25V Z | |
| 0321 | QETN1HM-105Z | E CAP. | 1μF 50V M | |
| 0322 | NCF21HZ-224AY | CHIP C CAP. | 0. 22 μ F 50V Z | |
| 0323 | NCF21EZ-104AY | C CAP. | 0.1 µF 25V Z | |
| | | | | |
| 0324 | QETN1CM-476Z | E CAP. | 47μF 16V M | |
| 0331 | GETNIHM-105Z | E CAP. | 1μF 50V N | |
| 0332 | NCF21HZ-224AY | CHIP C CAP. | 0.22μF 50V Z | |
| :0333 | NCF21EZ~104AY | C CAP. | . 0.1 μF 25V Z | |
| 0341 | QETN1HN-106Z | E CAP. | 10 µ F 50V M | |
| 0342 | GETN1HM-105Z | E CAP. | 1 µ F 50V M | |
| .0242 | NCE2157-10417 | C CAR | 0.15 252 7 | |
| 0343 | NCF21EZ-104AY | C CAP. | 0.1 µ F 25V Z | |
| 0401 | NCB21HK-103AY | CHIP CAP. | 0.01 µ F 50V K | |
| 0402 | NCF21EZ-104AY | G CAP. | 0.1 μ F 25V Z | |
| 0403 | QETNOJM-227Z | E CAP. | 220 µ F 6.3V M | |
| 0404 | NGF21EZ-104AY | C CAP. | 0.1 µF 25V Z | |
| 0405 | QETN1CH-107Z | E CAP. | 100 μ F 16V M | |
| 0406 | NCF21EZ-104AY | C CAP. | 0.1 µF 50V Z | |
| 0407 | NGF21EZ-104AY | C CAP. | 0.1 μF 35V Z 0.1 μF 25V Z | |
| | | | | |
| 0408 | QETN1CM-107Z | E CAP. | 100 μ F 16V M | |
| 0409-10 | NCTO3CH-270AY | CHIP CAP. | 27 p F 1600V H | |
| 0411 | NCTO3CH-180AY | CHIP CAP. | 18 p F 1600V H | |
| 0412-13 | NCB21HK-103AY | CHIP CAP. | 0.01μF 50V K | |
| 0415 | NCF21EZ-104AY | C CAP. | 0.1 µ F 25V Z | |
| COIL | | | | |
| .0001-02 | CE40344-4R7YL | INDUCTOR | 4.7 μ Η | |
| .0001-02 | CE40344-100YL | INDUCTOR | 4.7μπ 10μH | |
| | | | | |
| .0005-07 | CE40344-4R7YL | INDUCTOR | 4. 7 µ H | |
| .0101 | GE41131-3R3Y | INDUCTOR | 3.3 µ H | |
| .0111 | GE41131-3R3Y | INDUCTOR | 3.3 µ H | |
| 0121 | GE41131-3R3Y | INDUCTOR | 3.3 µ H | |
| .0301 | CE41131-100Y | INDUCTOR | 10 µ H | |
| 0401-02 | CE40344-330YL | INDUCTOR | 33 µ H | |
| | | | | |
| | MA3051 (I) = Y | ZENER DIODE | | |
| D I O D E | MA3051 (L) -X | ZENER DIODE | | |

| 4V-20VVZZEF | | | | |
|-------------|------------------|-------------------|-------------|-------|
| | Part No. | Part Name | Description | Local |
| | | | | |
| | ISTOR | | | |
| Q0101 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 00102 | 2SA1162 (YG) -X | SI, TRANSISTOR | | * |
| 00103 | 28C2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0104 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| Q0111 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0112 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00113 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 00114 | 2\$A1162 (YG) -X | SI. TRANSISTOR | | * |
| 00404 | 0000740/NO) X | DI TRANCISTOR | | _ |
| Q0121 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 00122 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00123 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 00124 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00131 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0321 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0322 | 2SA1162 (YG) ~X | SI. TRANSISTOR | | * |
| 00323 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0324 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00324 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0332 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| Q0333 | 2SC2712 (YG) -X | SI. TRANSISTOR | | |
| Q0334 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| Q0341 | 2SC2712 (YG) -X | SI. TRANSISTOR | | |
| Q0342 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 00343 | 2302/12(1G)-A | SI. IRANSISIUR | | • |
| 00344-45 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00351 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 00361 | 2SC2712 (YG) -X | SI, TRANSISTOR | | * |
| Q0401 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| | | | | |
| 1 C | CDARGOE 3 W | I C(D(C)_HOS) | | * |
| 100101 | SDA9205-2-W | I. C (DIGI-MOS) | | • |
| 100201 | SDA9272 | I. C (MICRO-COMP) | | |
| 100202 | SDA9251-X | I. C (SAN) | | • |
| 100203-04 | SDA9253 | 1. C (SAN) | | _ |
| 100301 | SDA9280-W | 1. C (DIGI-OTHER) | | * |
| 100401 | SDA9257 | I. C (DIGI-OTHER) | | |
| 100402 | MC74F04N-X | 1 C | | |
| OTHER | S | | | |
| DL0321 | NQR0241-001X | L. P. F | | * |
| DL0331 | NQR0241-001X | L. P. F | | * |
| DL0341 | NQR0242-001X | L. P. F | | * |
| EF0001-05 | CE42482-103Y | EMI FILTER | | * |
| EF0006 | CE42482-470Y | EMI FILTER | | |
| EF0101 | CE42482-470Y | EMI FILTER | | |
| EF0111 | CE42482-470Y | EMI FILTER | | |
| EF0121 | CE42482-470Y | EMI FILTER | | * |
| ETOTZT | OE42402-4/01 | LMI FILIEN | | • |
| EF0321 | CE42482-470Y | EMI FILTER | | * |
| EF0331 | CE42482-470Y | EMI FILTER | | * |
| EF0341-42 | CE42482-470Y | EMI FILTER | | * |
| EF0351 | CE42482-470Y | EMI FILTER | | * |
| EF0361 | CE42482-470Y | EMI FILTER | | * |
| K0001 | CE41433-001Z | BEADS CORE | | * |
| X0401 | QAX0350-001 | X TAL | | |
| A0 10 1 | | | | |

DEF POWER PW BOARD ASS'Y (SMB-2002B-U2)

| Loca | | ion | Deveript | Part Name | Part No | Δ Symbol No. |
|------|--------|-------------|---------------------|-------------------|------------------------------|-----------------|
| | | | | | · o D | DECLES |
| | | | | | | RESIST |
| | J | 1 W | 1 Ω | MF R | QRX019J-1R0S | R2409 |
| | J | 2₩ | 220 Ω | OM R | QRG029J-221 | R2411 |
| | Ĵ | 1 W | 1.8 Ω | MF R | QRX019J-1R8S | R2412-13 |
| | Ĕ | 1/4W | 68kΩ | MF R | QRV141F-6802AY | R2418 |
| | | | | MF R | QRV141F-7870AY | R2419 |
| | F | 1/4W | 787 Ω | | | |
| | F | 1/4W | 100k Ω | MF R | QRV141F-1003AY | R2421 |
| | F | 1/4W | 1.5kΩ | MF R | QRV141F-1501AY | R2422 |
| | F | 1/4W | 19.6kΩ | MF R | QRV141F-1962AY | R2508 |
| | _ | | | WE 5 | 000444E 54044V | 00500 |
| | F | 1/4W | 5.1kΩ | MF R | QRV141F-5101AY | R2509 |
| | J | 3W | 2. 7k Ω | OM R | QRG039J-272 | R2516 |
| | J | 3W | 1. 2k Ω | OM R | QRG039J-122 | R2517 |
| | J | 3₩ | 5.6 Ω | MF R | QRX039J-5R6 | R2533 |
| | J | 2W | 22k Ω | OM R | QRG029J-223 | R2571 |
| | Ĵ | 1 OW | 10 Ω | UNF R | QRF104J-100 | R2581 |
| | ĸ | 15W | 4.7 Ω | UNF R | QRF154K-4R7 | R2902 |
| 3 | Ĵ | 3W | 4. / Ω 33k Ω | OM R | QRG039J-333 | R2905 |
| • | J | 3# | 33K W | Om K | GNG0330-333 | 12300 |
| | J | 5W | 0.22 Ω | MP R | QRM059J-R22 | R2907 |
| • | Ĵ | 3W | 39kΩ | OM R | QRG039J-393 | R2910 |
| | | | | | | R2951 |
| * | j | 7W | 1kΩ | UNF R | QRF074J-102 | |
| * | J | 2₩ | 12kΩ | OM R | QRG029J-123 | R2952 |
| | J | 3 W | 5.6 Ω | MF R | QRX039J-5R6 | R2953 |
| | J | 1 W | 22 ♀ | OM R | QRG019J-220S | R2962-63 |
| | Ĵ | 110 | 8. 2M ♀ | CR | QRZ0057-825 | R2991 |
| | | | | | | 0.4.0.4.0.4 |
| | | 1004 | | N GAD | | CAPACI C2401 |
| * | J | 100V | 0.1μF | M CAP. | QFLC2AJ-104MZ | |
| * | M | 35V | 330 µ F | E_CAP. | GETC1VM-337Z | C2402 |
| | J | 50V | 0.1μF | TF CAP. | QFV71HJ-104MZ | C2403 |
| | J | 50V | 0.47 µ F | TF CAP. | QFV71HJ-474MZ | C2405 |
| * | J | 100V | 0.1 <u>ب</u> F | M CAP. | QFLC2AJ-104MZ | C2406 |
| * | ĸ | 100V | 0. 022 μ F | M CAP. | QFLC2AK-223MZ | C2407 |
| * | Ĵ | 50V | 0.47 μ F | TF CAP. | QFV71HJ-474MZ | C2410 |
| | N | 50V | 22 μ F | E CAP. | QETN1HM-226Z | C2411 |
| | | 301 | 22 41 | L ONI . | GETHTIM ZZOZ | 02411 |
| * | M | 35V | 1000 μ F | E CAP. | QETM1VM-108 | C2412 |
| * | J | 50V | 47 p F | C CAP. | QCT25CH-470Z | C2415 |
| * | J | 50V | 0.12μF | TF CAP. | QFV71HJ-124MZ | C2501 |
| * | ŭ. | 16V | 1000 µ F | E CAP. | QETN1CM-108Z | C2502 |
| | | | | | | |
| * | M | 100V | 10 μ F | E CAP. | GETN2AM-106Z | C2503 |
| * | M | 10V | 220 µ F | E CAP. | QETN1AM-227Z | C2504 |
| * | J | 100V | 1000 p F | M CAP. | QFLC2AJ-102MZ | C2505 |
| * | J | 50V | 0.1 μ F | M CAP. | QFLC1HJ-104MZ | C2507 |
| | | | | | 0543004 4004 | 00500 |
| * | K | 200V | 0.01 μ F | M CAP. | QFM72DK-103M | C2508 |
| * | M | 10V | 220 µ F | E_CAP. | QETN1AM-227Z | C2509 |
| * | J | 50V | 0.22 μ F | TF CAP. | QFV71HJ-224MZ | C2520 |
| * | 2.5% | 2000V ± 2 | 1800 p F | MPP CAP. | QFZ0117-1801S | C2521 |
| | | 2000V ± | | MPP CAP. | QFZ0117-4501S | C2522 |
| * | Κ. | 200V | 0.068 μ F | M CAP. | QFM72DK-683M | C2523 |
| - | | | 4000 p F | MPP CAP. | QFZ0117-4001S | C2525 |
| * | 2. J n | 200V 1. | 0.43 μ F | MPP CAP. | QFZ0119-434S | C2526 |
| • | - | | U. 10 AI | | | |
| * | J | 200V | 0.51 μ F | MPP CAP. | QFZ0119-514S | C2527 |
| * | J | 200V | 0.3 µ F | MPP CAP. | QFZ0119-304S | C2528 |
| | ±3% | | 0. 2 µ F | MPP CAP. | QFZ0128-204S | C2529 |
| * | _ J | 250V | 0. 2 μ F | MPP CAP. | QFZ0194-304 | C2533 |
| | - | | | MPP CAP. | | |
| * | :3% | | 0.53 μ F | | QFZ0119-534S | C2536 |
| * | M | 160V | 220 µ F | E CAP. | QETM2CM-227 | C2537 |
| * | M | 50V | 4.7μF | E CAP. | QEZ0195-475MZ | C2541 |
| * | M | 25V | 47 μ F | E CAP. | QETN1EM-476Z | C2544 |
| _ | | 101 | 100 . 5 | F 04D | OCTN+18-1077 | 02545 |
| * | M | 107 | 100 µ F | E CAP. | GETNIAM-107Z | C2545 |
| * | K | 50V | 0.1μF | M CAP. | GFLC1HK-104MZ | C2546 |
| * | M | 50V | 1µF | BP E CAP. | QEN61HM-105Z | C2551 |
| | M | 250V | 10 µ F | E CAP. | GETN2EM-106Z | C2554 |
| * | W | 25V | 1000 µ F | E CAP. | QETN1EM-108Z | C2555-56 |
| - | Ñ | 6. 3V | 100 µ F | E CAP. | QETCOJM-107Z | C2581 |
| • | | | | | | |
| * | u | 161/ | 47 | | | |
| * | M | 16V 400V | 47 μ F 0. 47 μ F | E CAP. MM CAP. | QETN1CM-4762 QFZ9040-473N | C2582 C2902 |

| Loc | | on | Descripti | Part Name | Part No. | VZ2EP Symbol No. |
|-----|----|--------|--------------------|-------------------------|-------------------------------|----------------------|
| | Р | 400V | 0. 047 μ F | 0.010 | TOR | CAPACI |
| | P | 400V | 4700 p F | C CAP. | QCZ9034-472A | C2903 |
| | • | 4001 | | C CAP. | QCZ9034-472A | C2904-05 |
| | K | annov. | 220 μ F 150 p F | E CAP. | QEZ0199-227M | C2906 |
| | | 20001 | 130 p r | C CAP. | QCZ0122-151A | C2908 |
| | K. | | 220 p F | C CAP. | QCZ0122-221A | C2909 |
| | M | 25V | 220 µ F | E CAP. | QETN1EM-227Z | C2910 |
| | K | 50Y | 0.1 µ F | M CAP. | GFLC1HK-104MZ | C2914 |
| | J | 50V | 1000 p F | M CAP. | QFLC1HJ-102MZ | C2916 |
| | M | 50V | 1 µ F | E CAP. | QETN1HM-105Z | C2919 |
| | J | 50V | 4700 p F | M CAP. | QFLG1HJ-472MZ | C2920 |
| | M | 160V | 200 μ F | E CAP. | QEZ0203-227 | C2951 |
| | M | 16V | 1000 µ F | E CAP. | QEHC1CM-108MZ | C2952 |
| | M | 16V | 1000 μ F | E CAP. | QEHB1CM-108M | C2953 |
| | M | 107 | 2200 μ F | E CAP. | QEZ0106-228R | 02954 |
| | Z | 25V | 0.1μF | C CAP. | QCZ0120-104MZ | C2966-68 |
| | M | 50V | 33 µ F | E CAP. | QEHC1HM-336MZ | G2970 |
| | M | 16V | 100 μ F | E CAP. | QEHC1CM-107MZ | C2971 |
| | M | 10V | 2200 µ F | E CAP. | GETN1AM-228Z | C2972 |
| | М | 10V | 220 µ F | E CAP. | QEHC1AM-227MZ | |
| | M | 16V | 2200 µ F | E CAP. | QEHB1CM-228M | C2973 |
| | M | 10V | 2200 µ F | E CAP. | QEZ0106-228R | C2975 |
| | M | 10V | 100 µ F | É CAP. | QEHC1AM-107MZ | C2976 |
| | K | | 150 p F | C CAP. | | C2977 |
| | M | 25V | 220 µ F | E CAP. | QCZ0122-151A QETN1EM-227Z | C2978 C2981 |
| | M | 50V | 10 µ F | E CAP. | | |
| | ĸ | 400V | 470 p F | C CAP. | QETN1HM-106Z | C2982-83 |
| | M | 400V | 330 p F | C CAP. | QCZ9041-471A QCZ9041-332A | C2991 C2992 |
| | | | | | | · |
| | | | | DRIVE TRANSF | CE42672-001 | TRANSF T2501 |
| | | | | PING TRANSF. | QQR0706-001 | T2521 |
| | | | | H. V. T (SERVICE) | CETHO20-00AJ1 | |
| | | | | SWITCH, TRANSF. | CETS089-001J4 | 12551 |
| | | | | POWER TRANSF. | QQT0147-001 | T2901 T2981 |
| | | | • | | | |
| | | | | LINEARITY COIL | QQR0707-001 | C Q 1 L L2521 |
| | | | | CHOKE COIL | QQR0705-001 | L2541 |
| | | | | HEATER CHOKE | CELC901-046J6 | |
| | | | | CHOKE COIL | 051 0055-100 | L2551 |
| | | | 2.5 µ H | CHOKE COIL | CELC055-100 | L2901-02 |
| | | | | HEATER CHOKE | CELCO05-2R5J7 | L2903 |
| | | | 5.6 μ H | CHOKE COIL | CELC901-046J6 CELC057-5R6Z | L2951 |
| | | | | | GELOOST SKOL | L2952-53 |
| | | | | ZENER DIODE | MT7 175-T9 | DIODE |
| | | | | SI. DIODE | MTZJ75-T2 | D2401 |
| | | | | SI. DIODE | BYD33D-T3 | D2402 |
| | | | | ZENER DIODE | 188133-72 | D2403 |
| | | | | | MTZJ7.5S-T2 | D2404 |
| | | | | SI. DIODE | 1SS133-T2 | D2405 |
| | | | | SI. DIODE | MA700A-T2 | D2406-09 |
| | | | | SI. DIODE | 1SS133-T2 | D2410 |
| | | | | ZENER DIODE | MTZJ22(B)-T2 | D2411 |
| | | | | SI. DIODE | BYD33G-T3 | D2501 |
| | | | | ZENER DIODE | MTZJ7.5S-T2 | D2502 |
| | | | | SI. DIODE | 1SS133-T2 | D2504 |
| | | | | ZENER DIODE | MTZJ6. 8 (A) -T2 | D2505 |
| | | | | SI. DIODE | 1SS146-T2 | D2506 |
| | | | | SI. DIODE | 1SS81-T5 | |
| | | | | SI. DIODE | | D2507 |
| | | | | SI. DIODE | 188133-T2 FMV-3FU-C1 | D2508 D2521 |
| | | | | C1 0100E | | |
| | | | | SI.DIODE Zener Diode | V11CA-C1 MTZJ6.8(C)-T2 | D2525 |
| | | | | SI. DIODE | #1400.0(0/=14 | D2541 |
| | | | | SI. DIODE | 188133-T2 | D2542 |
| | | | | SI. DIODE | BYD33G-T3 BYW95B-20 | D2550-51 D2552-53 |
| | | | | | | |

| ⊥ Syn | nbol No. | Part No. | Part Name | Description | Loca |
|------------|--------------|---------------------|------------------|-------------|------------------|
| D | IODE | | | | |
| D25 | 556 | BYD33G-T3 | \$1. DIODE | | |
| D25 | | MTZJ33 (B) -T2 | ZENER DIODE | | |
| D25 | | MTZJ15 (B) -T2 | ZENER DIODE | | |
| | | | | | |
| D25 | 982 | MTZJ7. 5 (B) -T2 | ZENER DIODE | | |
| D25 | 595 | 188133-72 | SI. DIODE | | |
| D29 | | | | | |
| 023 023 | 901 | D3SB60 progom-to | BRIDGE DIODE | | |
| D29 | | 1SR124-400A-T2 | SI. DIODE | | |
| 02. | ,,,, | 10K124 400K 12 | ar. brobe | | |
| D29 | 904-05 | BYD33D-T3 | SI. DIODE | | and the property |
| D29 | 951-52 | RU4C-C1 | SI. DIODE | | |
| D29 | | BYD33M-T3 | SI. DIODE | | |
| | 954~55 | BYW958-20 | SI. DIODE | | |
| | | | | | |
| D29 | | SF6L20U | SI. DIODE | | |
| | 958-59 | SF6L20U | SI. DIODE | | |
| D29 | | MTZJ5. 1 (A) -T2 | ZENER DIODE | | |
| D29 | 961 | MTZJ5. 6 (A) -T2 | ZENER DIODE | | |
| | | | | | |
| | 962-66 | 155133-T2 | S1.0100E | | |
| D29 | | 1SS133~T2 | SI. DIODE | | |
| D29 | | 188133-T2 | \$1.0100E | | |
| D29 | 81-84 | 1N4003-T2 | SI. DIODE | | |
| D29 | | 1SS133-T2 | SI. DIODE | | |
| D29 | | MTZJ8. 2 (B) -T2 | ZENER DIODE | | |
| D29 | | 1SS133-T2 | | | |
| 029 | 10 / | 100100-12 | St. DIODE | | |
| Ti | RANSI | STOR | | | |
| | 101-02 | DTC144ESA-T | DIGI. TRANSISTOR | | |
| Q24 | | | \$1. TRANSISTOR | | |
| | | 2PC1815 (YG) -T | | | |
| 024 | | DTC144ESA-T | DIGI. TRANSISTOR | | |
| 024 | 105-06 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| 025 | 501 | BSN274 | F. E. T. | | |
| Q25 | 05 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| 025 | | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| 025 | | 2SC5406-RL | SI. TRANSISTOR | | |
| ,_0 | | | | | |
| 025 | 23 | 1RF640 | F. E. T. | | |
| Q25 | 26 | DTC124ESA-T | DIGI. TRANSISTOR | | |
| 025 | | 2SD1408 (QY) -LB | SI. TRANSISTOR | | |
| Q25 | | DTA124ESA-T | | | |
| 000 | 550 | | DIGI. TRANSISTOR | | |
| Q25 | | DTC144ESA-T | DIGI. TRANSISTOR | | |
| 025 | | 2SA949 (Y) C1 | SI TRANSISTOR | | |
| Q25 | 82 | DTC144ESA-T | DIGI. TRANSISTOR | | |
| 029 | | 2SK2148-C1 | F. E. T. | | |
| | | | | | |
| 029 | 155 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| Q29 | | 2SC2655 (Y) -T | SI. TRANSISTOR | | |
| Q29 | 382 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| | | | | | |
| 102 | | LA7841 | I C (MONO-ANA) | | |
| | 2401 | | I. C (MONO-ANA) | | |
| | 2501 | TDA91518 | I. C (DEF-PRO) | | |
| | 2541 | UPC4558C | I.C (MONO-ANA) | | |
| IC2 | 2901 | MC44603P | I. C (MONO-ANA) | | |
| 102 | 2951 | SE135N | I. C (HYBRID) | | |
| | 2952 | LM2940CT-12 | I. C (MONO-ANA) | | |
| | 2953 | UPC2409AHF | I. C (MONO-ANA) | | |
| | 2953 2954 | K1A7808P1 | 1. C (MONO-ANA) | | |
| 102 | | M.M. 10001 1 | I. U (MUNU ANA) | | |
| 102 | 2955-56 | PQ05RF21 | 1. C (MONO-ANA) | | |
| | 2957 | K1A7808P1 | I. C (MONO-ANA) | | |
| | | | | | |
| | THERS | 000017 (4000 | c 0 | , | .i |
| FR2 | | QRH017J-1ROM | FR | 1 Ω 1W | • |
| FR2 | | QRH017J-1ROM | FR | 1Ω 1₩ | J .i |
| FR2 | 2553 | QRZ0054-4R7M | FR | 4.7 Ω 1/4W | J |
| K24 | | CE41433-001Z | BEADS CORE | | - |
| | 02-05 | QQR0679-001 | FERRITE BEADS | | |
| | | | | | |
| K25 | | CE41433-001Z | BEADS CORE | | |
| | 901-04 | CE42050-001Z | CORE | | |
| | 951 | CE41433-001Z | BEADS CORE | | |

| Part No. | Part Name Description | | Loca |
|-----------------|--|------------|--|
| | | | |
| TLP621 (B) | I. C (PH. COUPLER) | | |
| TLP721F (D4-GR) | I. C (PH. COUPLER) | | |
| CESK028-002 | RELAY | | |
| CEKP002-003 | W. P. THERMISTOR | | |
| | TLP621 (B) TLP721F (D4-GR) CESK028-002 | TLP621 (B) | TLP621 (B) I. C (PH. COUPLER) TLP721F (D4–GR) I. C (PH. COUPLER) CESK028–002 RELAY |

CRT SOCKET PW BOARD ASS'Y (SMB-3002B-U2)

| Symbol No. | Part No. | Part Name | Description | Loc |
|-----------------|------------------|--------------------|-------------------|-----|
| RESIST | | | | |
| R3106 | QRD14CJ-100SX | C R | 10 Ω 1/4W J | |
| R3119 | QRG029J-391A | OM R | 390 Ω 2W J | |
| R3229-31 | QRG019J-823S | OM R | 82kΩ 1W J | |
| CAPACI | | | | |
| C3101 | QETN1HM-106Z | E CAP. | 10 µ F 50V ₩ | |
| C3102 | QFLC1HK-103MZ | M CAP. | 0.01 µ F 50V K | |
| C3103 | QETN1HM-335Z | E CAP. | 3.3 µ F 50V M | |
| C3104 | QETN1CM-107Z | E CAP. | 100 µ F 16V M | |
| C3107 | QETC2CM-106Z | E CAP. | 10μF 160V M | |
| C3110 | QETC2CM-106Z | E CAP. | 10 μ F 160V M | |
| C3111 | QETCOJM-107Z | E CAP. | 100 µ F 6.3V M | |
| C3118 | GETN1HM-106Z | E CAP. | 10 μ F 50V M | |
| C3204-09 | QCZ0120-104MZ | C CAP. | 0.1μF 25V Z | |
| C3210-12 | QFH62EK-104MZ | MM GAP. | 0.1 μ F 250V K | |
| C3218 | QETM2EM-336 | E GAP. | 33 μ F 250V M | |
| C3219 | QFZ0097-223M | M M CAP. | 0.022 µ F 1250V K | |
| C3221 | QETC2EM-106Z | E CAP. | 10 µ F 250V M | |
| C3301 | QETN1CM-107Z | E CAP. | 100 µ F 16V M | |
| COIL | | | | |
| L3101 | CELP026-150Z | PEAKING COIL | 15 μ H | |
| L3201-03 | CELPO26-4R7Z | PEAKING COIL | 4.7μΗ | |
| DIODE | | | | |
| D3101-02 | RH1S-T3 | SI. DIODE | | |
| D3103 | MA165-T2 | SI. DIODE | | |
| D3151 | 15\$133-T2 | SI. DIODE | | |
| D3204-06 | EU01N-T2 | SI. DIODE | | |
| D3301 | 1SS252-T2 | SI. DIODE | | |
| D3302-03 | 1SS133-T2 | SI. DIODE | | |
| TRANSI | | | ' | |
| Q3101 | 2SA1309A (QR) -T | SI. TRANSISTOR | | |
| Q3102-03 | 2SC3311A (QR) -T | SI. TRANSISTOR | | |
| Q3104 | 2SA1309A (QR) -T | SI. TRANSISTOR | | |
| 03105 | 2SA1837 | SI. TRANSISTOR | | |
| Q3106 | 2504793 | SI. TRANSISTOR | | |
| Q3107 | 2SC3311A (QR) -T | SI. TRANSISTOR | | |
| Q3108 | 2SC1906-T | SI. TRANSISTOR | | |
| Q33 01 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| Q3302 | 2SC2655 (Y) -T | SI. TRANSISTOR | | |
| 03303 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| 1 C | Th | | | |
| +C3201-03 | TDA6111Q | I. C (MONO-ANA) | | |
| OTHERS | 0544400 0047 | OHORE COTT | | |
| K3101-04 | CE41492-001Z | CHOKE COIL | 560 O 1W ' | |
| R3109 SK3001 | QRH017J-561M | FR C.R.T.SOCKET | 560 Ω 1W J | |
| | CE42535-001J1 | | | |

AUDIO PW BOARD ASS'Y (SMB-6001B-U2)

| 1 | | - | Description | Part Numo | Part No. | Symbol No |
|---|---|-----|----------------|------------------|------------------|-----------|
| | | | | | TOR | CAPACI |
| * | J | 50V | 0.68 µ F | TF CAP. | QFV71HJ-684MZ | C6101 |
| * | M | 25V | 2200 μ F | E CAP. | QETM1EM-228 | C6102-03 |
| * | M | 50V | 1 µ F | E CAP. | QETN1HM-105Z | C6105 |
| * | M | 16V | 100 µ F | E CAP. | QETN1CM-107Z | C6106 |
| * | J | 50V | 0.68 μ F | TF CAP. | QFV71HJ-684MZ | C6108 |
| | J | 50V | 0.1 μ F | TF CAP. | QFV71HJ~104MZ | C6109-10 |
| * | M | 50V | 1 μ F | E CAP. | GETN1HM-105Z | C6112 |
| * | M | 16V | 100 µ F | E CAP. | QETN1CM-107Z | C6113 |
| * | J | 50V | 0.68 µ F | TF CAP. | QFV71HJ-684MZ | C6115-16 |
| | J | 50V | 0.1 <u>u</u> F | TF CAP. | QFV71HJ-104MZ | C6117-18 |
| * | J | 50V | 0.01 μ F | M CAP. | QFLC1HJ-103MZ | C6121 |
| | | | | | | DIODE |
| * | | | | ZENER DIODE | MTZJ27 (B) -12 | D6101~04 |
| * | | | | ZENER DIODE | MTZJ5. 1 (B) -T2 | D6105 |
| * | | | | SI. DIODE | 1\$\$133-T2 | D6107 |
| * | | | | S1. DIODE | MA700-T2 | D6108 |
| * | | | | SI. DIODE | 155133-T2 | D6112 |
| * | | | | SI. DIODE | 1SS133-T2 | D6115 |
| | | | | | | TRANSI |
| | | | | DIGI. TRANSISTOR | DTC144ESA-T | Q6101 |
| * | | | | SI. TRANSISTOR | 2PA1015 (YG) -T | Q6102 |
| * | | | | SI. TRANSISTOR | 2PA1015 (YG) -T | Q6104 |
| | | | | DIGI. TRANSISTOR | DTC144ESA-T | Q6105 |
| * | | | | DIGI. TRANSISTOR | DTC323TS-T | Q6106-07 |
| | | | | | | 1 C |
| * | | | | 1. C (MONO-ANA) | TDA2052V | 106101-02 |
| | | | | | | OTHERS |
| * | | | | BEADS CORE | CE41433-001Z | K6001-02 |

FRONT CONTROL PW BOARD ASS'Y (SMB-8002B-U2)

| Loca | | n | Descriptio | Part Name | Part No. | ∆ Symbol No. |
|------|---|-----|----------------|------------------|------------------|--------------|
| | | | | | TOR | CAPACI |
| * | M | 50V | 10 µ F | E CAP. | QETN1HM-106Z | C8003 |
| * | Z | 25V | 0.1 <u>u</u> F | C CAP. | QCZ0120-104MZ | C8004 |
| * | M | 16V | 47 µ F | E CAP. | QETN1CM-476Z | C8005 |
| * | M | 16V | 47 μ F | E CAP. | QETN1CM-476Z | C8009 |
| * | M | 50V | 10 µ F | E CAP. | QETN1HM-106Z | C8012 |
| * | M | 50V | 1 µ F | E CAP. | QETN1HM-105Z | C8013-14 |
| * | M | 50V | 10 µ F | E CAP. | QETN1HM-106Z | C8017-18 |
| * | Z | 25V | 0.1 μ F | C CAP. | QCZ0120-104MZ | C8020-21 |
| * | | | 0. 47 μ F | MF CAP. | QFZ9040-474N | ∑ C8901 |
| | | | | | | COIL |
| * | | | | LEAD CORE | CE41832-001 | L8001 |
| * | | | 5.6 μ H | PEAKING COIL | CELPO17-5R6Y | L8002-03 |
| * | | | 27 μ H | PEAKING COIL | CELP017-270Y | L8010-11 |
| * | | | | LEAD CORE | CE41832-001 | L8012 |
| | | | | | | DIODE |
| * | | | | C. D. S. | P1201 | D8007 |
| * | | | | SI. DIODE | 1SS133-T2 | D8008 |
| * | | | EC0 | L. E. D. (GRN) | SLR-342MG-T16 | D8009 |
| * | | | POWER | L. E. D. | SPR-39MVWF | D8010 |
| | | | | SI. DIODE | 1SS133-T2 | D8011 |
| * | | | TIMER | L. E. D. (ORG) | SLR-342DU-T16 | D8012 |
| * | | | 3D-PHONIC | L. E. D. (YLW) | SLR-342YY-T16 | D8013 |
| * | | | | ZENER DIODE | MT2J6. 8 (A) -T2 | D8014 |
| * | | | | ZENER DIODE | MTZJ15 (C) -T2 | D8015-16 |
| * | | | | ZENER DIODE | MTZJ6, 2 (B) -T2 | D8017 |
| | | | | ZENER DIODE | MTZJ5. 1 (B) -T2 | D8018 |
| | | | | | STOR | TRANSI |
| * | | | | SI. TRANSISTOR | 2PC1815 (YG) -T | 08001 |
| | | | | DIGI. TRANSISTOR | DTC144ES-T | 08002 |
| · | | | | DIGI. TRANSISTOR | DTA144ESA-T | 08003-04 |

| | NZ2EP Symbol No. | Part No. | Part Name | Description | Local |
|----------------------|---------------------|----------------|-----------------|-------------|-------|
| _ | OTHERS | | | | |
| | | CEMG002-001Z | FUSE CLIP | | * |
| | | CM36548-001-E | L. E. D. HOLDER | | * |
| | | CM35921-A04-H | CDS HOLDER | | |
| Λ | F8901 | QMF51D2-3R15J1 | FUSE | 3. 15A | * |
| | J8001 | QMS3007-C01 | JACK | HEADPHONE | |
| | J8004 | CEMN011-001 | JACK | VAIN | * |
| | J8005 | CEMN011-002 | JACK | L4IN | · · |
| | J8006 | CEMN011-003 | JACK | R41N | • |
| Δ | LF8901 | CELF012-001J7 | LINE FILTER | | |
| $\overline{\Lambda}$ | LF8902 | CEL F012-001J7 | LINE FILTER | | * |
| _ | S8001 | CESP001-001 | PUSH SWITCH | CH UP/DOWN | |
| | S8002 | CESP001-001 | PUSH SWITCH | MENU | |
| Δ | S8901 | QSP4K21-C01 | PUSH SWITCH | MAIN POWER | * |
| | | | | | |

DOLBY PW BOARD ASS'Y (SMB0D002B-U2)

| Symbol No. | Part No. | Part Name | Description | | Loc |
|------------|---------------|-----------|-------------|----------------|-----|
| CAPACI | | | | | - |
| C0101 | GETN1CM-476Z | E CAP. | | 16V M | |
| C0102 | NCTO3CH-680AY | CHIP CAP. | 68 p F 16 | OOV H | |
| C0103 | QETN1CM-476Z | E CAP. | 47 µ F | 16V M | |
| C0104 | NCB21HK-473AY | CHIP CAP. | 0.047 µ F | 50V K | |
| C0105 | NCB21HK-223AY | CHIP CAP. | | 50V K | |
| C0106 | NCB21HK-102AY | CHIP CAP. | | 50V K | |
| C0107 | QETN1CM-476Z | E CAP. | | 16V M | |
| C0108 | NCB21HK-473AY | CHIP CAP. | | 50V K | |
| C0109 | QETN1CM-476Z | E CAP. | 47 µ F | 16V M | |
| C0110 | NCTO3CH-680AY | CHIP CAP. | 68 p F 16 | OOV H | |
| C0111 | NCB21HK-473AY | CHIP CAP. | | 50V K | |
| CO112-13 | GETN1CM-476Z | E CAP. | | 16V M | |
| CO115 | NCB21HK-473AY | CHIP CAP. | | 50V K | |
| | | | | | |
| CO116-25 | NCB21HK-102AY | CHIP CAP. | | 50V K | |
| C0126 | GETN1CM-476Z | E CAP. | | 16V M | |
| 00127-28 | NCTO3CH-220AY | CHIP CAP. | 22 p F 16 | 00V H | |
| C0129 | QETN1HM-106Z | E CAP. | | 50V M | |
| C0130 | NCB21HK-102AY | CHIP CAP. | | 50V K | |
| C0131 | NCF21CZ-105AY | C CAP. | | 16V Z | |
| CO132 | NCB21HK-102AY | CHIP CAP. | | 50V K | |
| CO133 | NCF21CZ-105AY | C CAP. | 1 μ F | 16V Z | |
| C0134 | QETN1HM-106Z | E CAP. | 10 µ F | 50V M | |
| C0135 | NCB21HK-102AY | CHIP CAP. | 1000 p F | 50V K | |
| 00136 | NCF21CZ-105AY | C CAP. | | 16V Z | |
| C0137-38 | GETNIHM-106Z | E CAP. | 10 µ F | 50V M | |
| C0139 | NCB21HK-102AY | CHIP CAP. | | 50V K | |
| C0140 | NCF21CZ-105AY | C CAP. | | 16V Z | |
| C0141 | NCB21HK-102AY | CHIP CAP. | | 50V K | |
| | | E CAP. | | 16V M | |
| C0142 | GETN1CM-107Z | C CAP. | | 25V Z | |
| CO143 | NCF21EZ-104AY | | | | |
| CO144 | QETN1CM-227Z | E CAP. | | 16V M | |
| C0145 | NCF21EZ-104AY | C CAP. | 0.1μF | 25V Z | |
| C0146 | QETN1CM-107Z | E CAP. | | 16V M | |
| CO147~53 | NCF21EZ-104AY | C CAP. | | 25V Z | |
| CO201 | NCB21HK-103AY | CHIP CAP. | | 50V K | |
| C0202 | NGB21HK-223AY | CHIP CAP. | | 50V K | |
| C0203 | NCB21HK-182AY | CHIP CAP. | 1800 p F | 50V K | |
| C0204 | NCF21CZ-105AY | C CAP. | 1 μ F | 16V Z | |
| C0205 | NCB21HK-103AY | CHIP CAP. | | 50V K | |
| C0206 | NCB21HK-223AY | CHIP CAP. | | 50V K | |
| C0207 | NC821HK-182AY | CHIP CAP. | 1800 p F | 50V K | |
| C0208 | NCF21CZ-105AY | C CAP. | 1 μ F | 16V Z | |
| C0209 | QETN1CM-107Z | E CAP. | | 16V M | |
| C0209 | NCB21HK-103AY | CHIP CAP. | | 50V K | |
| | | CHIP CAP. | | 50V K | |
| C0211 | NCB21HK-182AY | | | 16V Z | |
| C0212 | NCF21CZ-105AY | C CAP. | | | |
| C0213 | NCB21HK-103AY | CHIP CAP. | | 50V K 50V K | |
| CO214 | NCB21HK-223AY | CHIP CAP. | 0. 022 μ F | 50 V K | |

| Symbol No. | Part No. | Part Name | Description | L |
|----------------------|-------------------------------|------------------|----------------------------|---|
| CAPACI | | | | |
| CO215 | NCB21HK-182AY | CHIP CAP. | 1800 pF 50V K | |
| CO216 | NCF21CZ-105AY | C CAP. | 1μF 16V 2 | |
| C0217 | NCB21HK-223AY | CHIP CAP. | 0.022 µF 50V K | |
| CO218-21 | NCTO3CH-470AY | CHIP CAP. | 47 pF 1600V H | |
| | NC103CH-47CK1 | OHIP GAP. | 47 pF 1600V H | |
| C0305 | QETN1CN-4762 | E CAP. | 47 µF 16V 1 | |
| C0401 | | | 47 pr 104 i | |
| 00402 | QETN1HM-226Z | E CAP. | 22 u F 50V I | ! |
| C0403-04 | NGB21HK-272AY | CHIP CAP. | 2700 pF 50V K | |
| 00405 00 | 05744444 0057 | 5 444 | | |
| C0405-06 C0407-10 | QETN1HM-225Z NCF21EZ-104AY | E CAP. | 2. 2 µ F 50V M | |
| | | G CAP. | 0.1 µF 25V Z | |
| C0431 | QETN1HN-226Z | E CAP. | 22 µ F 50V N | |
| C0432 | QETN1CM-477Z | E CAP. | 470 µF 16V M | |
| CO433~34 | NCB21HK-272AY | CHIP CAP. | 2700 pF 50V K | |
| C0435 | QETN1HM-225Z | E CAP. | 2.2μF 50V M | |
| CO436-39 | NCF21EZ-104AY | C CAP. | 0.1 µF 25V Z | |
| C0440 | GETN1HM-225Z | E CAP. | 2. 2 μ F 50V M | |
| CO451 | NOCO+07 1054V | 0.040 | 4 5 469 7 | |
| | NCF21CZ-105AY | C CAP. | 1μF 16V Z | |
| C0452 | NCTO3CH-100AY | CHIP CAP. | 10 p F 1600V H | |
| C0453 | NCB21HK-103AY | CHIP CAP. | 0.01 μ F 50V K | |
| C0454 | NCB21HK-473AY | CHIP CAP. | 0.047 µF 50V K | |
| C0456 | GETNICM-107Z | E CAP. | 100 µF 16V M | |
| C0457 | NCF21CZ-105AY | C CAP. | | |
| | | | 1 µ F 16V Z | |
| C0458 | NCB21HK-473AY | CHIP CAP. | 0.047 μ F 50V K | |
| C0459 | QETN1CM-1072 | E CAP. | 100 μ F 16V M | |
| C0460 | NCB21HK-103AY | CHIP CAP. | 0.01 μF 50V K | |
| C0461 | NCTO3CH-100AY | CHIP CAP | 10 pF 1600V H | |
| C0462 | NCF21CZ-105AY | CER. CAP. | 1 µ F 16V Z | |
| C0465 | NCF21CZ-105AY | CER. CAP. | 1 µ F 16V Z | |
| | | | | |
| C0501-02 | NCF21CZ-105AY | C CAP. | 1μF 16V Z | |
| C0503-04 | NCTO3CH-100AY | CHIP CAP. | 10 p F 1600V H | |
| C0505 | QETN1HN-106Z | E CAP. | 10 μ F 50V M | |
| C0507-08 | QETN1HM-106Z | E CAP. | 10 μ F 50V M | |
| C0531 | NCF21CZ-105AY | C CAP. | 1μF 16V Z | |
| C0532 | NCTO3CH-100AY | CHIP CAP. | 10 p F 1600V H | |
| | | | | |
| C0536 | GETN1HM-106Z | E CAP. | 10 μ F 50V M | |
| C0551 | NCF21CZ-105AY | C CAP. | 1 µ F 16V Z | |
| C0553 | NCTO3CH-100AY | CHIP CAP. | 10 p F 1600V H | |
| C0555 | QETN1HM-106Z | E CAP. | 10 μ F 50V M | |
| C0556 | QETN1CM-476Z | E CAP. | 47 μF 16V M | |
| C0557 | QETN1HM-106Z | E CAP. | 10 μF 50V M | |
| C0601-02 | GETN1HM-106Z | E CAP. | 10 µ F 50V M | |
| C0603-04 | GETNICM-476Z | E CAP. | | |
| C0701-05 | NCB21HK-222AY | CHIP CAP. | 47μF 16V M 2200ρF 50V K | |
| | HODZIIN ZZZAI | OHIT OAF. | 2200 pr 301 K | |
| COIL | | | | |
| L0101-04 | CE40344-4R7YL | INDUCTOR | 4. 7 μ Η | |
| L0701-05 | CE40344-100YL | INDUCTOR | 10 µ H | |
| L0706 | CE41433-001Z | BEADS CORE | • | |
| DIODE | | | | |
| D0103 | MA3062 (M) -X | ZENER DIQUE | | |
| D0201 | MA3062 (M) -X | ZENER DIODE | | |
| D0451 | MA141WK-X | SI, DIODE | | |
| | | | | |
| D0452 | MA3062 (M) -X | ZENER DIODE | | |
| D0453 | MA141WK-X | SI. DIODE | | |
| D0454 | MA3062 (M) -X | ZENER DIODE | | |
| D0501-02 | MA3150 (M) -X | ZENER DIODE | | |
| D0503 | MA3062-X | ZENER DIODE | | |
| D0532 | MA3150 (M) -X | ZENER DIODE | | |
| D0552 | MA3150 (M) -X | ZENER DIODE | | |
| | | · | | |
| TRANSI 00302 | STOR DTC144EK-X | DIGI. TRANSISTOR | | |
| | | | | |
| Q0451-52 | DTC323TK-X | DIGI. TRANSISTOR | | |
| Q0453 | DTC144EK-X | DIGI. TRANSISTOR | | |
| Q0501 | 2SA1162 (YG) -X | SI. TRANSISTOR | | |
| Q0502-03 | DTC323TK-X | DIGI. TRANSISTOR | | |
| Q0531 | 2SA1162 (YG) -X | SI. TRANSISTOR | | |
| Q0532 | DIG3231K-X | DIGI. TRANSISTOR | | |
| Q0551 | 2SA1162 (YG) -X | SI, TRANSISTOR | | |
| 40331 | 2341102 (10) -X | JI. IRANJIJIUK | | |
| 00553 | DTC323TK-X | DIGI, TRANSISTOR | | |

No.51239C

No.51239C

4 .

| PRINTED | WIRING | BOARD | PARTS | TZLI |
|------------|-----------|-------|-------|------|
| 1 1/11/1 1 | 4411/1140 | レンヘバレ | INIJ | LIJI |

MAIN PW BOARD ASS'Y (SMB-1003B-U2)

| Symbol No. | Part No. | Part Name | Description | on | | |
|----------------|------------------------------|------------------|--------------------|-------------|--------|--|
| RESIST | O.B. | | | | | |
| RESIS! | QRD12CJ-474SX | CR | 470k Q | 1/2W | j | |
| R1206 | | OM R | | | | |
| | QRG019J-101S | | 100 Ω | 1W 1/2W | J | |
| R1229 | QRD123J-181SX | C R | 180 Ω | | J | |
| R1231 | QRG019J-101S | OM R | 100 Ω | 1 W | J | |
| R1748 | QRB069J-103 | NET. R | | | | |
| R1798-99 | QRD12CJ-820SX | C R | 82 Q | 1/2W | J | |
| CAPACI | TOR | | | | | |
| C1001 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | |
| C1002 | QETC1HM-107Z | E CAP. | 100 µ F | 50V | M | |
| C1003 | QCZ0120-104MZ | C CAP. | 0.1 µ F | 25V | Z | |
| C1004 | QETN1CM-107Z | E CAP. | 100 µ F | 16V | M | |
| C1005 | QCZ0120-104MZ | C CAP. | 0.1 μ F | 25V | ž | |
| C1006 | QETN1CM-227Z | E CAP. | 220 μ F | 16V | Ñ | |
| | | | | 50V | W | |
| C1008 C1011 | GETN1HM-106Z GETN1CM-476Z | E CAP. E CAP. | 10μF 47μF | 16V | | |
| | | | | | - | |
| C1012 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z M | |
| C1201 | QETN1CM-227Z | E CAP. | 220 µ F | 167 | | |
| C1203-04 | QETN1HN-105Z | E CAP. | 1 µ F | 50V | M | |
| C1205-06 | QETN1HM-335Z | E CAP. | 3.3 µ F | 50V | M | |
| C1 207 | QETN1CM-227Z | E CAP. | 220 μ F | 16V | M | |
| C1209 | QETN1CM-476Z | E CAP. | 47 μ F | 16V | M | |
| C1210 | QETN1CM-477Z | E CAP. | 470 µ F | 16V | M | |
| C1212-13 | QETN1HM-105Z | E CAP. | 1 μ F | 50V | M | |
| C1214-15 | QETN1HM-335Z | E CAP. | 3.3 µ F | 50V | M | |
| C1216-17 | QETN1HM-105Z | E CAP. | 1 μ F | 50V | M | |
| C1218-19 | QETN1CM-476Z | E CAP. | 47 µ F | 167 | M | |
| | | E CAP. | | 50V | M | |
| C1220 | QETN1HM-105Z | E CAP. | 1μF | 16V | | |
| C1221-22 | QETN1CM-107Z | | 100 µ F | | | |
| C1223-24 | QETN1HM-105Z | E CAP. | 1μΕ | 50V | M | |
| C1231-32 | GETN1CM-476Z | E CAP. | 47 μ F | 16V | M | |
| C1301 | QETN1CM-227Z | E CAP. | 220 μ F | 1 6 V | ¥ | |
| C1302 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | |
| C1304 | QETN1CM-476Z | E CAP. | 47 μ F | 16V | M | |
| C1305 | QETN1HM-226Z | E CAP. | 22 µ F | 50V | M | |
| C1306 | QFLC1HJ-223MZ | M CAP. | 0. 022 μ F | 50V | j | |
| C1307-08 | QETN1HM-105Z | E CAP. | 1 μ F | 50V | M | |
| C1311-13 | QCZ0120~104MZ | C CAP. | 0.1μF | 25V | ž | |
| C1315 | QFV71HJ-474MZ | TF CAP. | 0. 47 μ F | 50V | Ĵ | |
| C1316 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | ž | |
| | | | | 504 | | |
| C1317 | QFV71HJ-154MZ | TF CAP. | 0.15 μ F | 50V | ž | |
| C1318 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Ž | |
| C1320 | QCZ0120-104MZ | C CAP. | 0.1 μ F | 25V | Z | |
| C1321-22 | QCT25CH-120Z | C CAP. | 12 p F | 50V | J | |
| C1323 | QCZ0120-104MZ | C CAP. | 0.1 μ F | 25V | Z | |
| C1325-26 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | |
| C1327 | GETN1CM-227Z | E CAP. | 220 μ F | 16V | M | |
| C1328-32 | QCZ0120-104MZ | C CAP. | 0.1 µ F | 25V | ž | |
| C1335 | QFLC1HJ~103MZ | M CAP. | 0. 01 ي <i>و</i> 1 | 50V | J | |
| | | | | 50V | M | |
| C1341 | QEN61HM-105Z | BP E CAP. | 1μF | | | |
| C1348 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | |
| C1350-52 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | |
| C1353-55 | QFV71HJ-224MZ | TF CAP. | 0. 22 μ F | 50V | J | |
| C1357 | QETN1HM-105Z | E GAP. | 1 μ F | 50V | M | |
| C1358 | QETN1HM-475Z | E CAP. | 4.7μF | 50V | M | |
| C1359 | GETN1HM-105Z | E CAP. | 1 µ F | 50V | М | |
| C1360 | QETN1HM-335Z | E CAP. | 3.3 µ F | 50V | M | |
| C1363 | QETN1CM-107Z | E CAP. | 100 µ F | 16V | Ü | |
| | | | 2200 µ H | 100 | K | |
| C1365 | QEZ0106-228R | E CAP. | 2200 # 11 | 50V | ij | |
| C1610-11 | QCT25CH-2ROZ | C CAP. | 2 p F | 16V | M | |
| C1612 | QETN1CM-476Z | E CAP. | 47 µ F | | | |
| C1615 | QETN1HM-106Z | E CAP. | 10 μ F | 50V | M | |
| C1616 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | z | |
| C1617 | QETN1HM-105Z | E CAP. | 1 µ F | 50 V | М | |
| 01017 | | | | | | |

| Loca | Description | Part Name | Pert No. | Symbol No. |
|------|-------------|-------------------|--------------|------------|
| | | | | 10 |
| | | 1. C (D1G1-MOS) | SAA73671-X | 100101 |
| | | I. C (M) | TMS57052BFT | 100102 |
| | | I. C (D-RAM) | LC32464M-80X | IC0103 |
| | | I. C (MONO-ANA) | PCM1717E-X | IC0104-05 |
| | | I. C (MONO-ANA) | BA4558F-X | IC0111 |
| | | I. C (MONO-ANA) | UPC324G2-X | IC0201-02 |
| | | 1. C (DIGI-MOS) | TC4052BF-X | 100301 |
| | | I C (DIGI-OTHER | TDA7315D | IC0401 |
| | | I. C (DIGI-OTHER) | TDA7315D | 100431 |
| | | I. C (MONO-ANA) | BA4558F-X | IC0451-52 |
| | | 1. C (MONO-ANA) | BA4558F-X | 100501 |
| | | I. C (MONO-ANA) | BA4558F-X | 100551 |
| | | | | OTHERS |
| | | EMI FILTER | CE42482-103Y | EF0101-05 |
| | | PIN JACK | CEMN036-004 | J0001 |
| | | PIN JACK | CEMN061-001 | J0002 |
| | | BEADS CORE | CE42681-001Y | K0101-02 |
| | | BEADS CORE | CE42681-001Y | K0104-07 |
| * | | BEADS CORE | CE41433-001Z | K0108 |
| | | CRYSTAL | NAX0001-001X | X0101 |

AV TERMINAL PW BOARD ASS'Y (SMB0J001B-U2)

| Δ | Symbol No. | Part No. | Part Name | Description | n | | Local |
|---|-----------------------------|--|------------------|------------------|------------|--------|-------|
| | CAPACI C0102-04 C0301 | TOR GEKC1CM-106GMZ GEKC1CM-476MZ | E CAP. E CAP. | 10 μ F 47 μ F | 16V 16V | M M | * |
| _ | COIL | | | | - | | |
| | L0101-04 | CELP017-5R6Y | PEAKING COIL | 5.6 μ H | | | * |
| | L0105 | CE41832-001 | LEAD CORE | | | | * |
| | L0201-04 | CELP017-5R6Y | PEAKING COIL | 5.6 μ H | | | * |
| | L0205 | CE41832-001 | LEAD CORE | | | | * |
| | L0301-02 | CELP017-5R6Y | PEAKING COIL | 5.6 μ H | | | * |
| | L0303 | CE41832-001 | LEAD CORE | | | | * |
| _ | OTHERS | | | - | | | |
| | J0001-03 | CE40529-006 | SCART CONNECTOR | | | | |

AUTO ASPECT MODULE PW BOARD ASS'Y (SJF0W001A(U))

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|--------------------|-------------|-------|
| OTHERS | SJFOWOO1A(U) | AUTO ASPECT MODULE | | |

50

| VZ2EP | Dank No. | Part Name | Descriptio | n | | Loca |
|----------------|-------------------------------|------------------|---------------|------------|--------|------|
| Symbol No. | Part No. | FATC NAME | | | | |
| CAPACI | TOR | C CAP. | 0.1μF | 25V | Z | |
| C1625 | QCZ0120-104MZ | E CAP. | 10 μ F | 50V | Ĭ. | |
| C1626 | QETN1HM-106Z | E CAP. | 1 µ F | 50V | N | 4 |
| C1627 | QETN1HM-105Z | | 1μF | 50V | ŭ | |
| C1629-30 | QETN1HM-105Z | E CAP. | 10 µ F | 50V | ī | |
| C1631 | GETNIHM-106Z | E CAP. C CAP. | 0.1μF | 25V | ž | - |
| C1632 | QCZ0120-104MZ | | 10 µ F | 50V | ũ | |
| C1633 | QETN1HM-106Z | E CAP. | 10 μ F | 50V | M | ٠., |
| C1645 | QETN1HM-106Z | É CAP. | 10 # F | 301 | - | |
| C1646 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | : |
| C1647 | GETN1HM-106Z | E CAP. | 10 μ F | 50V | M | |
| C1649 | QETN1HM-106Z | E CAP. | 10 μ F | 50V | M | 1 |
| C1660 | QFLC1HJ-333MZ | M CAP. | 0.033 μ F | 50V | J | : |
| C1703 | QCZ0120-104MZ | C CAP. | 0.1 μ F | 25 V | Z | |
| C1704 | QETNIAM-107Z | E CAP. | 100 µ F | 10V | M | : |
| C1705-06 | QCT25CH-3R0Z | C CAP. | 3 p F | 50V | j | |
| C1707 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | |
| 01700 | QFLC1HJ-333MZ | M CAP. | 0.033 μ F | 50V | J | |
| C1708 | QCZ0120-104MZ | C CAP. | 0.1µF | 25V | Z | |
| C1709 | QEZ0120-104M2 QETN1EM-476Z | E CAP. | 47 µ F | 25V | M | |
| C1710 | QCZ0120-104MZ | C CAP. | 0.1 µ F | 25V | Ž | |
| C1711 | | M CAP. | 0.033 μ F | 50V | J | |
| C1712 | QFLC1HJ-333MZ | C CAP. | 0.1µF | 25V | ž | |
| C1713 | QCZ0120-104MZ | E CAP. | 0. 47 μ F | 50V | Ñ | |
| C1714 C1715 | GETN1HM-474Z GETN1CM-476Z | E CAP. | 47μF | 16V | M | |
| | | | 0.15 | 25V | Z | |
| C1716 | QCZ0120-104MZ | C CAP. | 0.1μF | 50V | ¥ | |
| C1717 | QETN1HM-105Z | E CAP. | 1 µ F | | | |
| C1751 | QFLC1HJ-563MZ | M GAP. | 0.056 μ F | 50V | J | |
| C1752 | QFV71HJ-224MZ | TF CAP. | 0. 22 μ F | 50V | Ä | |
| C1754 | QCZ0120-104MZ | C CAP. | 0.1 μ F | 25V | Z | |
| C1756-57 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | |
| C1758 | QETN1AM-227Z | E CAP. | 220 µ F | 10V | M | |
| C1759 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | |
| C1760-61 | QCT25CH-150Z | C CAP. | 15 p F | 50V | J | |
| 01762 | QCZ0120-104MZ | C CAP. | 0.1μF | 25∀ | Z | |
| C1763 | QETN1CM-476Z | E CAP. | 47 µ F | 16V | M | |
| | QCZ0120-104MZ | C CAP. | 0.1 µ F | 25V | Z | |
| C1764 | QCZ0120-104MZ | G CAP. | 0.1 µ F | 25V | Z | |
| C1766-68 | | E CAP. | 10 μ F | 50V | M | |
| C1769-71 | QETN1HM-106Z | E CAP. | 47 µ F | 16V | M | |
| C1772 | GETNICH-476Z | E CAP. | 100 µ F | 167 | Ñ | |
| C1773 | GETN1CM-107Z | E UAP. | 100 Д 1 | | | |
| C1776 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V 50V | Z J | |
| C1780 | QFLC1HJ-104MZ | M CAP. | 0.1µF | 25V | ž | |
| C1781 | QCZ0120-104MZ | C CAP. | 0.1μF | 50V | Ĵ | |
| C1782 | QFLC1HJ-223MZ | M CAP. | 0. 022 μ F | | M | |
| C1801 | QETN1EM-107Z | E CAP. | 100 μ F | 25V | | |
| COIL | | | | | | |
| L1001-02 | CELPO26-8R2Z | PEAKING COIL | 8.2 µ H | | | |
| L1003 | CELP026-221Z | PEAKING COIL | 220 µ H | | | |
| L1601 | CELP027-220Z | PEAKING COIL | 22 µ H | | | |
| L1602 | CELP027-180Z | PEAKING COIL | 18 <i>µ</i> H | | | |
| L1611-12 | CELC005-2R5J7 | CHOKE COIL | 2. 5 μ H | | | |
| L1701 | CELPO26-4R7Z | PEAKING COIL | 4.7 μ H | | | |
| L1702 | CELP026-8R2Z | PEAKING COIL | 8. 2 µ H | | | |
| L1753 | CELP026-4R7Z | PEAKING COIL | 4. 7 μ H | | | |
| | | | 8. 2 µ H | | | |
| L1791-92 | CELP026-8R2Z | PEAKING COIL | ο. 2 μ π | | | |
| DIODE | HTT 140 (D) TO | ZENER DIODE | | | | |
| D1201-11 | MTZJ13 (8) -T2 | | | | | |
| D1212-13 | 1SS133-T2 | SI. DIODE | | | | |
| D1214-15 | MTZJ13 (B) -T2 | ZENER DIODE | | | | |
| D1343 | 188133-72 | SI. DIODE | | | | |
| D1345-48 | 1SS133-T2 | SI. DIODE | | | | |
| D1349 | MTZJ6, 2(B)-T2 | ZENER DIODE | | | | |
| | 1SS133-T2 | SI, DIODE | | | | |

| Symbol No. | Part No. | Part Name | Description | |
|----------------------|----------------------------|--------------------|-------------|--|
| DIODE | | | | |
| D1356 | 1SS146-T2 | SI. DIODE | | |
| D1357-58 | 1SS133-T2 | SI. DIODE | | |
| D1701-02 | 1SS133-T2 | \$1.DIODE | | |
| D1704 | 188146-T2 | SI. DIODE | | |
| | | | | |
| D1705 | 188133-T2 | SI. DIODE | | |
| D1710-11 D1751-53 | 188133 - T2 188133 - T2 | SI. DIODE | | |
| D1754-58 | #12J6, 2 (B) -T2 | SI. DIODE | | |
| D1734-30 | ■1230, 2 (B) -12 | ZENER DIODE | | |
| D1801-02 | 1SS133-T2 | S1. DIODE | | |
| D1803 | MTZJ6. 8 (A) -T2 | ZENER DIODE | | |
| D1804 | 1SS133-T2 | S1. DIODE | | |
| TRANSI | | | | |
| Q1201-05 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| Q1206-07 | DTC323TS-T | DIGI. TRANSISTOR | | |
| 01208 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| Q1209 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| Q1211-12 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| Q1213-14 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| 91215-16 | DTC323TS-T | DIGI. TRANSISTOR | | |
| Q1217 | | | | |
| W1217 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| 01301 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| Q1302 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| 01303-04 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| Q1342 | DTC144ES-T | DIGI. TRANSISTOR | | |
| Q1343-44 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| Q1345 | DTG124ESA-T | DIGI. TRANSISTOR | | |
| Q1346 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| 01349 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| | | | | |
| 01610 | 2PA1015 (YG) -T | S1. TRANSISTOR | | |
| 01611 | DTC323TS-T | DIGI. TRANSISTOR | | |
| Q1613 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| 01701-04 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| 01752 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| 01753 | DTC124ES-T | DIGI. TRANSISTOR | | |
| Q1791-94 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| Q1801 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| 1 C | | | | |
| 101301 | CXA1545AS | I. C (MONO-ANA) | | |
| IC1303 | TDA9143 | I G | | |
| 101303 | TDA4665 | I. C (MONO-ANA) | | |
| IC1305 | TDA4780 | | | |
| | | I. C (MONO-ANA) | | |
| 101311 | AN77L05-Y | I. C (MONO~ANA) | | |
| IC1601 | MSP34108-PP-F7 | I. C (DIGI-OTHER) | | |
| 101701 | M37207EFSP | 1 C | | |
| 101702 | L78LRO5E-MA | I.C (MONO-ANA) | | |
| 101703 | AT24C16-32WP2 | I.C (EP-ROM) | | |
| IC1704 | AT24C16-10PC | 1. C (EP-ROM) | | |
| 101751 | SDA30C163 | | | |
| | | I. C (MICRO-COMP) | | |
| IC1752 IC1753 | M27C1001-10F1 | 1. C (EP-ROM) | | |
| | AT24C16-10PC | I. C (EP-ROM) | | |
| 101754 | SDA5275S | I. G. (MICRO-PROC) | | |
| 101755 | MSM514400C60ZS | I. C (D-RAM) | | |
| IC1756 | TC4053BP | 1. C (DIGI-MOS) | | |
| IC1757 | MN1280-Q | 1. C (D1G1-MOS) | | |
| OTHERS | | | | |
| J L | QQR0490~001 | NOISE FILTER | ×3 | |
| | CEMS009-064 | I. C. SOCKET | _ | |
| | CEMS007-008 | I. C. SOCKET | | |
| | CEMS006-068 | | | |
| | | IC SOCKET | | |
| | CEMS007-032 | IC SOCKET | | |
| | CEMS007-008 | I. C. SOCKET | | |
| EF1001 | CE41433-001Z | BEADS CORE | | |
| EF1610-12 | CE42142-103Z | EMI FILTER | | |

| Δ Symbol No. | Part No. | Part Name | Description | Loca |
|--------------|--------------|------------------|----------------|------|
| OTHERS | 3 | | | |
| K1001 | CE41433-001Z | BEADS CORE | | * |
| K1003 | CE41433-001Z | BEADS CORE | | * |
| K1005 | CE41492-001Z | CHOKE COIL | | |
| K1009 | CE41433-001Z | BEADS CORE | | * |
| K1011 | CE41433-001Z | BEADS CORE | | * |
| K1013-14 | CE41433-001Z | BEADS CORE | | * |
| K1602 | CE41433-001Z | BEADS CORE | | * |
| K1701-02 | CE41433-001Z | BEADS CORE | | * |
| MD1 | | 100Hz PWB ASSY | (Refer to P56) | |
| MD2 | | IF PWB ASSY | (Refer to P55) | |
| MD3 | | SUB TEXT PB ASSY | (As follows) | |
| TU1001 | CEEK481-A01 | TUNER | , | |
| X1311 | CE40749-001Z | CRYSTAL | | * |
| X1312 | CE40668-001Z | CRYSTAL | | * |
| X1610 | CE42546-001Z | CRYSTAL | | * |
| X1701 | CSTB. COMTW | CER. RESONATOR | | * |
| X1751 | QAX0307-001 | CER. RESONATOR | | |
| X1752 | QAX0351-001Z | X TAL | | * |
| | | | | |

SUB TEXT PW BOARD ASS'Y (SMB-1111B-U2)

This PW Board Ass'Y is included in the above MAIN PW Board Ass'Y.

| Symbol No. | Part No. | Part Name | Description | n | | Loca |
|------------|-----------------|----------------|---------------|-----|---|------|
| CAPACI | TOR | | | | • | |
| C1001 | QCZ0120-104MZ | C CAP. | 0.1 μ F | 25V | Z | * |
| C1003 | QCT25CH-270Z | C CAP. | 27 p F | 50V | J | * |
| C1005 | QCT25CH-150Z | C CAP. | 15 p F | 50V | J | * |
| C1362 | QCT25CH-270Z | C CAP. | 27 p F | 50V | J | * |
| C1701 | QETN1HM-226Z | E CAP. | 22 u F | 50V | М | * |
| C1702-04 | QETN1HM-106Z | E CAP. | 10 μ F | 507 | M | * |
| C1705-07 | QCZ0120-104MZ | C CAP. | 0.1 μ F | 25V | Z | * |
| COIL | | | | | | |
| L1301 | CELP027-390Z | PEAKING COIL | 39 μ Η | | | * |
| TRANSI | STOR | | | | | |
| Q1347 | 2SK301 (P) -T | F. E. T. | | | | * |
| Q1701-03 | 2PC1815 (YG) -T | SI. TRANSISTOR | | | | * |
| 1 C | <u> </u> | | | | | |
| IC1001 | TC74AC00AP | ı C | | | | |

IF PW BOARD ASS'Y(SMB0F701B-U2)

| Symbol No. | Part No. | Part Name | s'Y. Descript | i on | | Loca |
|----------------|-------------------------------|--------------------------|---------------------|-------------|--------|------|
| RESIST | OR | | | | | |
| R0103 | QRSA08J-102YL | CHIP MG R | 1kΩ | 1/10W | J | 1 |
| R0104 | QRSA08J-121YL | CHIP MG R | 120 Ω | 1/10W | J | |
| R0105 | QRSA08J-151YL | CHIP MG R | 150 Ω | 1/10W | J | |
| R0106 | QRSA08J-181YL | CHIP MG R | 180 Ω | 1/10W | J | 1 |
| R0107 | QRSA08J-151YL | CHIP MG R | 150 Ω | 1/10W | J | |
| CAPACI | | | | | | |
| 00020 | NCB21HK-472AY | CHIP CAP. | 4700 p F | 50V | K | |
| COO22-25 | NCB21HK-472AY | CHIP CAP. | 4700 p F | 50V | K | * |
| CO026-27 | NGB21HK-103AY | CHIP CAP. | 0.01 μ F | 50V | K | 1 |
| 00030 | NCB21HK-472AY | CHIP CAP. | 4700 p F | 50V | K | • |
| 00040 | NCTO3CH-102AY | CHIP CAP. | 1000 p F | | H | |
| 00041 | QETN1CM-107Z | E CAP. | 100 µ F | 16V 50V | M K | * |
| 00042 00043 | NCB21HK-103AY QETN1CM-107Z | CHIP CAP. E CAP. | 0.01 μ F 100 μ F | 16V | M | |
| 20044 | | OULD DAD | | EOV | v | |
| 20044 | NCB21HK-103AY | CHIP CAP. | 0. 01 μ F | 50V | K K | |
| 0046 | NCB21HK-103AY | CHIP CAP. | 0. 01 μ F | 50V 16V | K M | |
| 0047 | QETN1CM-227Z | E CAP. | 220 μ F | | M | 3 |
| 0050 | GETN1HM-105Z | E CAP. CHIP CAP. | 1 μ F 4700 p F | 50V 50V | ĸ | |
| 0051 0052 | NCB21HK-472AY | TRIM CAP. | 4700 p F | 1007 | ** | • |
| 0052 | QAT3110~100A NCT03CH~6ROAY | CHIP CAP. | iopr 8~ c | 1600V | н | |
| 0054 | NCB21HK-103AY | CHIP CAP. | 0.01μF | 50V | K | |
| 0055 | QETN1CM-107Z | E CAP. | 100 µ F | 16V | M | * |
| 0056 | QETN1HM-474Z | E CAP. | 0.47 μ F | 50V | W. | • |
| 0057 | NCTO3CH-102AY | CHIP CAP. | 1000 p F | | H | * |
| 0057 | NCB21HK~472AY | CHIP CAP. | 4700 p F | 50V | ĸ | |
| 0059 | QAT3110-100A | TRIM CAP. | 10 p F | 100V | " | |
| 0060 | NCTO3CH-120AY | CHIP CAP. | 12 p F | 1600V | н | * |
| 0061 | NCTO3CH-7ROAY | CHIP CAP. | 7 n F | 1600V | н | |
| 0062 | GETN1HM-474Z | E CAP. | 0. 47 μ F | 50V | M | * |
| :0063 | NCB21HK-103AY | CHIP CAP. | 0. 01 μ F | 50V | ĸ | |
| 0064 | NCB21HK-472AY | CHIP CAP. | 4700 p F | 507 | K | * |
| 0065 | QETN1HM-105Z | E CAP. | 1μF | 50V | M | * |
| 0067 | NCTO3CH-120AY | CHIP CAP. | 12 p F | 1600V | H | * |
| 0069-70 | NCB21HK-103AY | CHIP CAP. | 0.01 μ F | 50V | ĸ | * |
| 0071 | QETN1HM-336Z | E CAP. | 33 μ F | 50V | M | * |
| 0080-81 | NCB21HK-472AY | CHIP CAP. | 4700 p F | 50V | K | * |
| 0101 | QETN1CM-476Z | E CAP. | 47 μ F | 1 6 V | М | * |
| 0102 | NCTO3CH-391AY | CHIP CAP. | 390 p F | 1600V | Н | * |
| 0103 | NCTO3CH-121AY | CHIP CAP. | 120 p F | 1600V | н | * |
| 0104 | NCTO3CH-181AY | CHIP CAP. | 180 p F | 1600V | Н | * |
| 0105 | NCF21EZ-104AY | C CAP. | 0.1μF | 25V | Z | * |
| 0140 | QETN1HM-335Z | E CAP. | 3.3 µ F | 50V | M | * |
| 0141 | NCB21HK-332AY | CHIP CAP. | 3300 p F | 50V | K | * |
| 0142 | GETN1HM-105Z | E CAP. | 1μΕ | 50V | M | * |
| 0143 | QFLC1HJ-683MZ | M CAP. | 0.068 μ F | 50V | Z | * |
| C0144 | QETN1HM-335Z | E CAP. | 3.3 µ F | 50 V | ¥ | * |
| 00145 | NCB21HK-222AY | CHIP CAP. | 2200 p F | 50V | K | * |
| 0601 | QFLC1HJ-183MZ | M CAP. | 0.018 µ F | 50V | J | * |
| 00602 | QETN1CM-476Z | E CAP. | 47 µ F | 1 6 V | M | * |
| 00603 | QETN1HM-106Z | E CAP. | 10 µ F | 50V | M | * |
| 0604 | QETN1HM-105Z | E CAP. | 1 μ F | 50V | M | * |
| 0605 | QETN1CM-477Z | E CAP. | 470 μ F | 16V | M | |
| 0606 | NCB21HK-103AY | CHIP CAP. | 0.01 μ F | 50 V | K | * |
| CF0010-11 | FTP40. 40MF | CERAMIC FILTER | | | | |
| TRANSF | | | | | | |
| T0020 | QQR0626-001 | I.F. TRANSF. | | | | * |
| T0050 | GELT001-307 | C. WAVE TRANSF. | | | | * |
| T0051 | CELT001-306 | C. WAVE TRANSF. | | | | |
| COIL | | BELVING TO | 0.43 | | | |
| L0020 | CELP041~R47 CE41131-1R5Y | PEAKING COIL INDUCTOR | 0,47 μ H 1,5 μ H | | | : |
| L0021 | | | | | | |

55

| -28WZ2EP | | | | |
|--------------|------------------|------------------|----------------|-------|
| △ Symbol No. | Part No. | Part Name | Description | Local |
| COIL | | | | |
| L0030 | CE41131-2R2Y | INDUCTOR | 2. 2 μ Η | * |
| L0040 | CE41131-120Y | INDUCTOR | 12 μ H | * |
| L0041 | CE41131-100Y | INDUCTOR | 10 μ H | * |
| 1.0050-53 | CE41131-8R2Y | INDUCTOR | 8.2 µ H | * |
| L0070 | CE41131-5R6Y | INDUCTOR | 5.6 µ H | * |
| L0071 | CE41131-8R2Y | INDUCTOR | 8.2 <u>µ</u> H | |
| L0101 | CE41131-6R8Y | INDUCTOR | 6.8 µ H | |
| L0102-03 | CE41131-100Y | INDUCTOR | 10 μ H | * |
| L0104 | CE41131-5R6Y | INDUCTOR | 5.6 µ H | • |
| DIODE | | | | |
| D0020-21 | 1\$\$85-T5 | SI. DIODE | | |
| D0050-51 | 1SS85-T5 | SI. DIODE | | |
| TRANSI | | | | |
| Q0012 | 2SC5083 (L-P) -T | SI. TRANSISTOR | | * |
| 00080 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 00101 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 00102 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00103 | DTC144EK-X | DIGI. TRANSISTOR | | * |
| . 00104 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0106 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0107 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00108 | DTC144EK-X | DIGI. TRANSISTOR | | * |
| Q0109-11 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0120-26 | DTC144EK-X | DIGI. TRANSISTOR | | * |
| 00601-02 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 10 | | | | |
| 100010 | TA8865BN | I.C (MONO-ANA) | | |
| OTHERS | | | | |
| CF0100 | TPS5.5MW | CERAMIC FILTER | | * |
| CF0140 | CSB503F30-T2 | CER. RESONATOR | | * |
| ▲ R0609 | QRZ0054-470M | FR | 47 Ω 1/4W J | * |
| SF0010 | QAX0316-001 | SAW FILTER | | * |
| SF0011 | CE42574-702 | SAW FILTER | | |
| SF0012 | CE42606-701 | SAW FILTER | | |

100Hz PW BOARD ASS'Y(SMB0Z002B-U2)

This PW Board Ass'Y is included in the above MAIN PW Board Ass'Y.

| Loc | | on | Descripti | Part Name | Part No. | Symbol No. |
|-----|---|-------|-----------|-------------|----------------|------------|
| | | | | | OR | RESIST |
| | J | 1/10W | 15kΩ | M. F. R | NRVA02D-1502NY | R0302 |
| | J | 1/10W | 11kΩ | CHIP MF R | NRVA02D-1102NY | R0303 |
| | | | | | TOR | CAPACI |
| | M | 16V | 220 μ F | E CAP. | QETN1CM-227Z | C0001 |
| | Z | 25V | 0.1 µ F | C CAP. | NCF21EZ-104AY | C0002 |
| | M | 16V | 220 μ F | E CAP. | QETN1CM-227Z | C0003 |
| | Z | 25V | 0.1μF | C CAP. | NCF21EZ-104AY | C0004 |
| | M | 16V | 220 µ F | E CAP. | QETN1CM-227Z | C0005 |
| | 2 | 25V | 0.1μF | C CAP. | NCF21EZ-104AY | C0006 |
| | M | 16V | 220 µ F | E CAP. | QETN1CM-227Z | C0007 |
| | Z | 25V | 0.1 μ F | G CAP. | NCF21EZ-104AY | C0008 |
| | м | 10V | 1000 µ F | E CAP. | GETN1AM-108Z | C0009-10 |
| | J | 50V | 150 p F | C CAP. | NCS21HJ-151AY | C0101 |
| | H | 1600V | 39 p F | CHIP CAP. | NCTO3CH-390AY | C0102 |
| | J | 50V | 270 p F | CER, CAP. | NCS21HJ-271AY | C0103 |
| | M | 50V | 1 µ F | E CAP. | QETN1HM-105Z | C0106 |
| | Z | 50V | 0.22 μ F | CHIP C CAP. | NCF21HZ-224AY | C0107 |
| | Z | 25V | 0.1 μ F | C CAP. | NCF21EZ-104AY | C0108 |
| | М | 16V | 47 μ F | E CAP. | QETN1CM-476Z | C0109 |
| | j | 50V | 150 p F | C CAP. | NCS21HJ-151AY | C0111 |
| | H | 1600V | 39 p F | CHIP CAP. | NCTO3CH-390AY | C0112 |
| | J | 50V | 270 p F | CER. CAP. | NCS21HJ-271AY | C0113 |
| | M | 50V | 1 µ F | E CAP. | QETNIHM-105Z | C0116 |
| | Z | 50V | 0.22 µ F | CHIP C CAP. | NCF21HZ-224AY | C0117 |
| | Z | 25V | 0.1 μ F | C CAP. | NCF21EZ-104AY | CQ118 |
| | J | 50V | 150 p F | C CAP. | NCS21HJ-151AY | C0121 |
| | Н | 1600V | 39 p F | CHIP CAP. | NCTO3CH-390AY | C0122 |

| Symbol No. | Part No. | Part Name | Description | Loc |
|---------------------------------------|--------------------------------|-----------------------|---------------------------------|-----|
| CAPACI | TOR | | | |
| C0123 | NCS21HJ-271AY | CER. CAP. | 270 pF 50V J | |
| C0126 | QETN1HM-106Z | E CAP. | 10 µ F 50V M | |
| G0127 | NGF21HZ-224AY | CHIP G CAP. | | |
| C0128 | | | | |
| 60128 | NCF21EZ-104AY | C CAP. | 0.1 u F 25V Z | |
| C0132 | GETNOJM-227Z | E CAP. | 220 µF 6.3V M | |
| CO133-34 | NCF21EZ-104AY | G CAP. | | |
| C0135-36 | QETNOJM-227Z | E CAP. | 0.1 μ F 25V Z 220 μ F 6.3V M | |
| | | | | |
| C0137 C0138 | NCF21EZ-104AY | C CAP. | 0.1μF 25V Z | |
| | QETNOJM-227Z | E CAP. | 220 μ F 6.3V M | |
| C0139 | NCF21EZ-104AY | C CAP. | 0.1μF 25V Z | |
| C0142-47 | NCF21EZ-104AY | G CAP. | 0.1μF 25V Z | |
| C0148 | QETNOJM-227Z | E CAP. | 220 µ F 6.3 V Mi | |
| CO149-54 | NCF21EZ-104AY | C CAP. | 0.1μF 25V Z | |
| C0155 | NCTO3CH-390AY | CHIP CAP. | 39 p F 1600V H | |
| C0201-06 | NCF21EZ-104AY | C CAP. | 0.1 µF 25V Z | |
| C0207 | NCB21HK-103AY | CHIP CAP. | 0.01 µF 50V K | |
| CO208-13 | NCF21EZ-104AY | | | |
| C0208-13 | NCTO3CH-100AY | C CAP. | 0.1μF 25V Z | |
| | | CHIP CAP. | 10 p F 1600V H | |
| C0221-38 | NCF21EZ-104AY | C CAP. | 0.1μF 25V Z | |
| C0301 | QETNOJM-227Z | E CAP. | 220 μ F 6 3V M | |
| C0302 | NCF21EZ-104AY | C CAP. | 0.1 µ F 25V Z | |
| C0303 | QETNOJM-227Z | E CAP. | 220 μ F 6.3V M | |
| C0304 | NCF21EZ-104AY | C CAP. | 0.1 µF 25V Z | |
| C0307-08 | NCF21EZ-104AY | C CAP. | 0.1 µ F 25V Z | |
| C0309 | QETN1CM-107Z | E GAP. | | |
| C0310 | | | | |
| C0310 | QETNOJM-227Z | E CAP. | 220 µ F 6.3V M | |
| | NCF21EZ-104AY | C CAP. | F 25V Z بر 1.0 | |
| CO313 | NCS21HJ-152AY | CHIP C CAP. | 1500 p.F 50V J | |
| CO314-18 | NCF21EZ-104AY | C CAP. | 0.1 µ F 25V Z | |
| C0321 | GETN1HM-105Z | E CAP. | 1 μ F 50V N | |
| C0322 | NCF21HZ-224AY | CHIP C CAP. | 0. 22 μ F 50V Z | |
| CO323 | NCF21EZ-104AY | C CAP. | 0.1μF 25V Z | |
| C0324 | GETN1CM-476Z | E CAP. | | |
| C0331 | GETNIHM-105Z | | | |
| C0332 | NCF21HZ-224AY | E CAP. CHIP C CAP. | 1μF 50V 11 0.22μF 50V Z | |
| 20000 | 11050157 101111 | | | |
| C0333 | NCF21EZ-104AY | C CAP. | 0.1 µ F 25V Z | , |
| C0341 | QETN1HM-106Z | E CAP. | 10 µ F 50V M | * |
| C0342 | QETN1HM-105Z | E CAP. | 1 µ F 50V № | |
| CO343 | NCF21EZ-104AY | C CAP. | 0.1 µ F 25V Z | , |
| C0401 | NCB21HK-103AY | CHIP CAP. | 0.01 µF 50V K | |
| C0402 | NCF21EZ-104AY | C CAP. | 0.1 μF 25V Z | |
| 00403 | GETNOJM-227Z | E CAP. | | |
| C0404 | | | 220 µ F 6.3V M | |
| | NCF21EZ-104AY | C CAP. | 0.1 µ F 25V Z | |
| 00405 | GETN1CH-107Z | E CAP. | 100 µF 16V № | |
| C0406 | NCF21EZ-104AY | C CAP. | 0.1μF 50V Z | |
| CO407 | NCF21EZ-104AY | C CAP. | 0.1 u F 25V Z | |
| 00408 | QETN1CM-107Z | E CAP. | 100 μ F 16V M | 1 |
| 0409-10 | NCTO3CH-270AY | CHIP CAP. | 27 p F 1600V H | , |
| CO411 | NCTO3CH-180AY | CHIP CAP. | 18 pF 1600V H | |
| 00412-13 | | | | |
| 0412-13 00415 | NCB21HK-103AY NCF21EZ-104AY | CHIP CAP. C CAP. | 0.01 μ F 50V K 0.1 μ F 25V Z | |
| · · · · · · · · · · · · · · · · · · · | | | | |
| COIL | 25.400.44.4031/ | | | |
| L0001-02 | CE40344-4R7YL | INDUCTOR | 4. 7 μ H | |
| ∟0003-04 | CE40344-100YL | INDUCTOR | 10 µ H | |
| _0005-07 | CE40344-4R7YL | INDUCTOR | 4. 7 μ H | |
| L0101 | CE41131-3R3Y | INDUCTOR | 3.3 <u>µ</u> H | |
| L0111 | CE41131-3R3Y | INDUCTOR | | |
| L0121 | CE41131-3R3Y | INDUCTOR | 3.3 µ H | |
| | | | 3.3 µ H | |
| L0301 | CE41131-100Y | INDUCTOR | 10 μ H | * |
| L0401-02 | CE40344-330YL | INDUCTOR | 33 μ Η | |
| | | | | |
| D I O D E 00301 | MA3051 (L) -X | ZENER DIODE | | |

| AV-32WZ2EN |
|------------|
| AV-32WZ2EP |
| AV-28WZ2EN |
| AV-28WZ2EP |

| 28WZ2EP | | | | |
|--------------|-----------------|-------------------|-------------|-------|
| △ Symbol No. | Part No. | Part Name | Description | Local |
| TRANSI | STOR | | | |
| Q0101 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0102 | 2SA1162 (YG) ~X | SI. TRANSISTOR | | * |
| G0103 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0104 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| Q0111 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0112 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| Q0113 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0114 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00121 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 00122 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| Q0123 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0124 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00131 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0321 | 2SC2712 (YG) -X | \$1. TRANSISTOR | | * |
| Q0322 | 2SA1162 (YG) -X | SI, TRANSISTOR | | * |
| 00323 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 00324 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00331 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 00332 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00333 | 2SC2712 (YG) -X | SI, TRANSISTOR | | * |
| 00334 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00341 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 00342 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| 00343 | 2SC2712 (YG) -X | S1. TRANSISTOR | | * |
| 90344-45 | 2SA1162 (YG) -X | SI. TRANSISTOR | | * |
| Q0351 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| Q0361 | 2SC2712 (YG) -X | SI. TRANSISTOR | • . | * |
| 90401 | 2SC2712 (YG) -X | SI. TRANSISTOR | | * |
| 1 C | | | | |
| 1C0101 | SDA9205-2-W | I. C (DIGI-MOS) | | * |
| IC0201 | SDA9272 | I. C (MICRO-COMP) | | |
| 1C0202 | SDA9251-X | I.C (SAM) | | * |
| C0203-04 | SDA9253 | I.C (SAM) | | |
| 100301 | SDA9280-W | I. C (DIGI-OTHER) | | * |
| 100401 | SDA9257 | I. C (DIGI-OTHER) | | |
| 100402 | MC74F04M-X | I C ~ | | |
| OTHERS | | | | |
| DL0321 | NQR0241-001X | L. P. F | | * |
| DL0331 | NQR0241-001X | L. P. F | | * |
| DL0341 | NQR0242-001X | L. P. F | | * |
| EF0001-05 | CE42482-103Y | EMI FILTER | | * |
| EF0006 | CE42482-470Y | EMI FILTER | | * |
| EF0101 | CE42482-470Y | EMI FILTER | | * |
| EF0111 | CE42482-470Y | EMI FILTER | | * |
| EF0121 | CE42482-470Y | EMI FILTER | | * |
| EF0321 | CE42482-470Y | EMI FILTER | | * |
| EF0331 | CE42482-470Y | EMI FILTER | | * |
| EF0341-42 | CE42482-470Y | EMI FILTER | | * |
| EF0351 | CE42482-470Y | EMI FILTER | | * |
| EF0361 | CE42482-470Y | EMI FILTER | | * |
| K0001 | CE41433-001Z | BEADS CORE | | * |
| X0401 | QAX0350-001 | X TAL | | |
| | | | | |

POWER DEF PW BOARD ASS'Y (SMB-2003B-U2) A Symbol No. Part No. Part Name

| ⊥ Symbol No. | Part No. | Part Name | Description | LOGA |
|--------------|------------------------|------------------|--------------------------|------|
| RESIS | T O B | | | |
| R2409 | QRX019J-1R0S | MF R | 1Ω 1W J | |
| | | | | |
| R2411 | QRG029J-221 | OM R | . 220 Ω 2W J | |
| R2412-13 | QRX019J-1R8S | MF R | 1.8 Ω 1W J | |
| R2418 | QRV141F-6802AY | MF R | 68kΩ 1/4W F | |
| R2419 | QRV141F-7870AY | MF R | 787 Ω 1/4W F | |
| R2421 | QRV141F-1003AY | MF R | 100kΩ 1/4W F | |
| R2422 | QRV141F-1501AY | MF R | 1.5kΩ 1/4W F | |
| | | | | |
| R2508 | QRV141F-2002AY | MF R | 20kΩ 1/4W F | |
| R2509 | ORV141F-4701AY | MF R | 4.7kΩ 1/4W F | |
| R2516 | QRG039J-272 | OM R | 2.7kΩ 3W J | |
| R2517 | QRG039J-122 | OM R | 1.2kΩ 3W J | |
| R2533 | QRX039J-5R6 | MF R | 5.6 Ω 3W J | |
| R2571 | QRG029J-223 | OM R | 22kQ 2₩ J | |
| R2581 | QRF104J-100 | UNF R | 10 Ω 10W J | * |
| | | UNF R | | |
| R2902 | QRF154K-4R7 | | 4.7 Ω 15W K | * |
| R2905 | QRG039J-333 | OM R | 33kΩ 3W J | * |
| R2907 | QRM059J-R22 | MP R | 0.22 Ω 5W J | |
| R2910 | QRG039J-393 | OM R | 39kQ 3W J | - |
| R2951 | QRF074J-102 | UNF R | . 1kQ 7W J | _ |
| | | | | |
| R2952 | QRG029J-123 | OM R | 12kΩ 2W J | * |
| R2953 | QRX039J-5R6 | MF R | 5.6 Ω 3W J | |
| R2962-63 | QRG019J-220S | OM R | 22 Ω 1W J | * |
| R2991 | QRZ0057-825 | C R | 8.2MΩ 1W J | * |
| CAPAC | LTOR | | | |
| C2401 | QFLC2AJ-104MZ | M CAP. | 0.1μF 100V J | * |
| C2402 | QETC1VM-337Z | E CAP. | 330 µF 35V M | * |
| C2403 | QFV71HJ-104MZ | TF CAP. | 0.1μF 50V J | |
| C2405 | QFV71HJ-474MZ | TF CAP. | | * |
| C2406 | | | | * |
| | QFLC2AJ-104MZ | M CAP. | 0.1μF 100V J | |
| C2407 | QFLC2AK-223MZ | M CAP. | 0.022 μF 100V K | * |
| C2410 | QFV71HJ-474MZ | TF CAP. | 0.47 µ F 50V J | * |
| C2411 | QETN1HM-226Z | E CAP. | 22μF 50V M | * |
| C2412 | QETMIVM-108 | E CAP. | 1000 µ F 35V M | * |
| | | | | |
| C2415 | QCT25CH-470Z | | 47 p.F 50V J | * |
| C2501 | QFV71HJ-124MZ | TF CAP. | 0.12 μ F 50V J | * |
| C2502 | QETN1CM-108Z | E CAP. | 1000 µF 16V MH | * |
| C2503 | QETN2AM-106Z | E CAP. | 10 µ F 100V ₩ | * |
| C2504 | QETN1AM-227Z | E CAP. | 220 µ F 10V M | * |
| C2505 | QFLC2AJ-102MZ | M CAP. | 1000 p F 100V J | * |
| C2507 | QFLC1HJ-104MZ | M CAP. | 0.1 µ F 50V J | * |
| | 05H30DK 400H | W 04B | 0.04 5 0004 4 | _ |
| C2508 | QFM72DK-103M | M CAP. | 0.01 µF 200V K | * |
| C2509 | GETN1AM-227Z | E CAP. | 220 µF 10V M | * |
| C2520 | QFV71HJ-224 M Z | TF CAP. | 0.22μF 50V J | * |
| C2521 | QFZ0117-1701S | MPP CAP. | 1.7 μ F 2000V ± 2.5% | |
| C2522 | QFZ0117-4701S | MPP CAP. | 4700 p F 2000V ± 2.5% | |
| C2523 | QFM72DK-683M | M CAP. | 0.068 µF 200V K | * |
| C2525 | QFZ0117-4701S | MPP CAP. | 4700 p F 2000V ± 2.5% | |
| C2526 | QFZ0119-684S | MPP CAP. | 0.68 µF 200V J | * |
| | | | - | |
| C2527 | QFZ0119-514S | MPP CAP. | 0.51 μ F 200V J | * |
| C2528 | QFZ0128-404S | MPP CAP. | 0.4 µ F 400V ±3% | |
| C2529 | QFZ0128-204S | MPP CAP. | 0.2 µ H 400V ±3% | |
| C2533 | QFZ0194-534 | MPP CAP. | 0.53 µF 250V J | |
| C2536 | 0FZ0119-534S | MPP CAP. | 0.53 µF 200V ±3% | * |
| | | E CAP. | | * |
| C2537 | QETM2CM-227 | | | |
| C2541 | QEZ0195~475MZ | E CAP. | 4.7μF 50V M | * |
| C2544 | QETN1EM-476Z | E CAP. | 47 μ F 25V M | * |
| C2545 | QETN1AM-107Z | E CAP. | 100 µ F 10V M | * |
| | | | | * |
| C2546 | QFLC1HK-104MZ | M CAP. | | |
| C2551 | QEN61HM-105Z | BP E CAP. | 1μF 50V M | * |
| C2554 | QETN2EN-106Z | E CAP. | 10 μ F 250V M | * |
| 02007 | GETN1EM-108Z | E CAP. | 1000 µ F 25V M | * |
| C2555-56 | | | | |
| C2555~56 | QCZ0122-681A | C CAP. | 680 pF 2000V K | |
| | | C CAP. E CAP. | | |

| | VZ2EP Symbol No. | Part No. | Part Name | Description | n | | Loc |
|---|---------------------|------------------------------|-------------------|-------------|-------------|-----|-----|
| _ | CAPACI | TOR | | 0. 47 μ F | 400V | M | |
| Δ | C2902 | QFZ9040-473N | MM CAP. | | 400V | P | |
| | C2903 | QCZ9034-472A | C CAP. | | | P | |
| | C2904-05 | QCZ9034-472A | C CAP. | | 400V | • | |
| | C2906 | QEZ0199-227M | E CAP. | 220 µ F | | ĸ | |
| | C2908 | QCZ0122-151A | C CAP. | 150 p F 2 | 0004 | ĸ | |
| | C2909 | QCZ0122-221A | C CAP. | 220 p F 2 | 0004 | ù | |
| | C2910 | QETN1EM-227Z | E CAP. | 220 μ F | 25V | | |
| | C2913 | QETC1EM-477Z | E CAP. | 470 µ F | 25V | ¥ | |
| | C2914 | QFLC1HK-104MZ | M CAP. | 0.1μF | 50V | K | |
| | C2916 | QFLC1HJ-102MZ | M CAP. | 1000 p F | 50V | J | |
| | | QETN1HM-105Z | E CAP. | 1 μ F | 50V | M | |
| | C2919 | QFLC1HJ-472MZ | M CAP. | 4700 p F | 50V | J | |
| | C2920 | QEZ0203-227 | E CAP. | 200 μ F | 160V | M | |
| | C2951 | QEHC1CM-108MZ | E CAP. | 1000 μ F | 16V | M | |
| | C2952 | | E CAP. | 1000 µ F | 16V | M | |
| | C2953 | QEHB1CM-108M QEZ0106-228R | E CAP. | 2200 µ F | 10V | M | |
| | C2954 | | | 0.1 u F | 25V | Z | |
| | C2966-68 | QCZ0120-104MZ | C CAP. | 33 μ F | 50V | M | |
| | C2970 | QEHC1HM-336MZ | E CAP. | 100 µ F | 16V | M. | |
| | C2971 | QEHC1CM-107MZ | E CAP. | | 107 | M | |
| | C2972 | QETN1AM-228Z | E CAP. | 2200 μ F | 107 | Mi | |
| | C2973 | QEHC1AM-227MZ | E CAP. | 220 μ F | | M | |
| | G2975 | QEHB1CM-228M | E CAP. | 2200 μ F | 16V | | |
| | C2976 | QEZ0106-228R | E CAP. | 2200 µ F | 10V | M | |
| | C2977 | QEHCIAM-107MZ | E CAP. | 100 μ F | 10 V | М | |
| | 00070 | QCZ0122-151A | C CAP. | 150 p F | | K | |
| | C2978 | 0571157 0077 | E CAP. | 220 µ F | 25V | M | |
| | C2981 | GETN1EM-227Z | E CAP. | 10 μ F | 50V | M | |
| | C2982-83 | QETN1HM-106Z | | 470 p F | 400V | ĸ | |
| | C2991 | QCZ9041-471A | C CAP. | 330 p F | 400V | Ni. | |
| ٩ | C2992 | QCZ9041-332A | C CAP. | 330 p i | 1001 | | |
| | TRANSF | ORMER | | | | | |
| | T2501 | CE42672-001 | DRIVE TRANSF | | | | |
| | T2521 | 0080706-001 | PINC. TRANSF. | | | | |
| ٨ | 12551 | CETHO21-00AJ1 | H. V. T (SERVICE) | | | | |
| • | T2561 | CE42692-001J1 | DAF TRANSF. | | | | |
| | | CETS089-001J4 | SWITCH, TRANSF. | | | | |
| 2 | 12901 | QQT0147-001 | POWER TRANSF. | | | | |
| _ | T2981 | QQ10147-001 | | | | | |
| | COIL | | LINEARITY COIL | | | | |
| | L2521 | QQR0707-002 | | | | | |
| | L2541 | QQR0705-001 | CHOKE COIL | | | | |
| | L2551 | CELC901-056J6 | HEATER CHOKE | 40 U | | | |
| | L2901-02 | CELC055-100 | CHOKE COIL | 10 µ H | | | |
| | L2903 | CELC005-2R5J7 | CHOKE COIL | 2.5 μ H | | | |
| | L2951 | CELC901-046J6 | HEATER CHOKE | | | | |
| | L2952-53 | CELCO57-5R6Z | CHOKE COIL | 5.6 µ H | | | |
| - | DIODE | | | | | | |
| | D100E | MTZJ75-T2 | ZENER DIODE | | | | |
| | 02402 | BYD33D-T3 | St. DIODE | | | | |
| | | 1SS133-T2 | SI. DIODE | | | | |
| | D2403 | | ZENER DIODE | | | | |
| | D2404 | MTZJ7.5S-T2 | SI. DIODE | | | | |
| | D2405 | 1SS133-T2 | S1. D100E | | | | |
| | D2406-09 | MA700A-T2 | | | | | |
| | D2410 | 1SS133-T2 | SI. DIODE | | | | |
| | D2411 | MTZJ22(B)-T2 | ZENER DIODE | | | | |
| | D2501 | BYD33G-T3 | SI. DIODE | | | | |
| | D2502 | MTZJ7.5S-T2 | ZENER DIODE | | | | |
| | | 1SS133-T2 | SI. DIODE | | | | |
| | D2504 | MT7 IS 0 /4\-T9 | ZENER DIODE | | | | |
| | D2505 | MTZJ6.8(A)-T2 | SI. DIODE | | | | |
| | D2506 | 1SS146-T2 | | | | | |
| | 02507 | 1SS81-T5 | S1.DIODE | | | | |
| | D2508 | 188133-72 | SI. DIODE | | | | |
| | D2521 | FMV-3FU-C1 | S1. DIODE | | | | |
| | D2525 | V11CA-C1 | SI. DIODE | | | | |
| | | | ZENER DIODE | | | | |

| Symbol No. | Part No. | Part Name | Description | Loc |
|------------|----------------------------------|---|--------------|-------------|
| DIODE | | | | |
| 02542 | 1SS133-T2 | S1.DIODE | | |
| | | | | |
| D2550-51 | BYD33G-T3 | S1. DIODE | | |
| D2552-53 | BYW958-20 | SI.DIODE | | |
| | | | | |
| D2556 | BYD33G-T3 | S1. DIDDE | | |
| D2571 | MTZJ33 (B) -T2 MTZJ15 (B) -T2 | ZEMER DIODE | | |
| D2581 | MTZJ15 (B) ~T2 | ZENER DIODE | | |
| D2582 | MTZJ7. 5 (B) -T2 | ZENER DIODE | | |
| D2585 | 188133-T2 | SI. DIODE | | |
| 02303 | 100100-12 | 31.01006 | | |
| D2901 | D3S860 | BRIDGE DIODE | | |
| D2902 | BYD33M-T3 | SI, DIODE | | |
| D2903 | 1SR124-400A-T2 | SI. DIODE | | |
| | | | | |
| D2904-05 | BY033D-T3 | S1. DIODE | | |
| D2951-52 | RU4C-C1 | S1. D100E | | |
| D2953 | BYD33M-T3 | ST. DIODE | | |
| D2954-55 | BYW958-20 | | | |
| | | SI. DIODE | | |
| D2956 | SF6L20U | S1. D100E | | |
| D2958-59 | SF6L20U | SI. DIODE | | |
| 02960 | | | | |
| | MTZJ5. 1 (A) -T2 | ZENER DIODE | | |
| D2961 | MTZJ5. 6 (A) -T2 | ZENER DIODE | | |
| D2962-66 | 1SS133-T2 | SI. DIODE | | |
| | | | | |
| D2968 | 1SS133-T2 | SI. DIODE | | |
| D2970 | 1SS133-T2 | SI. DIODE | | |
| D2981-84 | 1N4003-T2 | SI. DIODE | | |
| D2985 | 1SS133-T2 | | | |
| 02963 | 133133-12 | SI. DIODE | | |
| D2986 | MTZJ8. 2(8)-T2 | ZENER DIODE | | |
| D2987 | 1SS133-T2 | SI. DIODE | | |
| TRANSI | CTAR | | | |
| | | | | |
| 02401-02 | DTC144ESA-T | DIGI. TRANSISTOR | | |
| Q2403 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| 02404 | DTC144ESA-T | DIGI. TRANSISTOR | | |
| Q2405-06 | | | | |
| | 2PC1815 (YG) -T | S1. TRANSISTOR | | |
| Q2501 | BSN274 | F. E. T. | | |
| Q2505 | 2PA1015 (YG) -T | SI. TRANSISTOR | | |
| | | | | |
| 02506 | 2PC1815 (YG) -T | ST. TRANSISTOR | | |
| Q2521 | 2SC5406-RL | SI. TRANSISTOR | | |
| 02523 | IRF640 | F. E. T. | | |
| 02526 | DTC124ESA-T | DIGI. TRANSISTOR | | |
| | | | | |
| 02541 | 2SD1408 (QY) -LB | SI. TRANSISTOR | | |
| Q2551 | DTA124ESA-T | DIGI. TRANSISTOR | | |
| 02552 | DTC144ESA-T | DIGI. TRANSISTOR | | |
| | | | | |
| Q2581 | 2SA949 (Y) C1 | SI. TRANSISTOR | | |
| Q2582 | DTC144ESA-T | DIGI. TRANSISTOR | | |
| Q2901 | 2SK2148-C1 | F. E. T. | | |
| | EUNE 170 'U1 | 1. 6. 1. | | |
| Q2955 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| Q2981 | 2SC2655 (Y) -T | SI. TRANSISTOR | | |
| Q2982 | 2PC1815 (YG) -T | SI. TRANSISTOR | | |
| | | *************************************** | | |
| 1 C | | | | |
| IC2401 | LA7841 | I. C (MONQ-ANA) | | |
| IC2501 | TDA9151B | I. C (DEF-PRO) | • | |
| IC2541 | UPC4558C | I. C (MONO-ANA) | | |
| | | I. G (MONO ANA) | | |
| IC2901 | MC44603P | I. C (MONO-ANA) | | |
| IC2951 | SE135N | I. C (HYBRID) | | |
| IC2952 | LM2940CT-12 | I. C (MONO-ANA) | | |
| 1C2953 | UPC2409AHF | | | |
| 102954 | KIA7808PI | I. C (MONO-ANA) | | |
| ,02334 | MIM/OVOF! | 1. C (MONO-ANA) | | |
| 1C2955-56 | PQ05RF21 | I.C(MONO-ANA) | | |
| 1C2957 | K1A7808P! | I. C (MONO-ANA) | | |
| OTHERS | | | | |
| FR2551 | 004017 _1004 | C D | 1.0 1" | |
| | ORHO17J-1ROM | FR | 1 Ω 1₩ J | |
| FR2552 | QRH017J-1R0M | FR | 1Ω 1W J | |
| FR2553 | QRZ0054-4R7M | FR | 4.7 Ω 1/4W J | |
| | CE41433-001Z | BEADS CORE | , • | |
| K2402 | | | | |

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| | Symbol No. | Part No. | Part Name | Description | Local |
|---|------------|-----------------|--------------------|-------------|-------|
| _ | OTHERS | | | | |
| | K2502-05 | QQR0679-001 | FERRITE BEADS | | |
| | K2506 | CE41433-001Z | BEADS CORE | | * |
| | K2901-04 | CE42050-001Z | CORE | | * |
| | K2951 | CE41433-001Z | BEADS CORE | | * |
| | PC2521 | TLP621 (B) | I. C (PH. COUPLER) | | * |
| Δ | PC2901 | TLP721F (D4-GR) | I. C (PH. COUPLER) | | * |
| | RY2981 | CESK028-002 | RELAY | | * |
| | TH2901 | CEKP002-003 | W. P. THERMISTOR | | * |
| | VA2561 | ERZV10V112C1 | VARISTOR | | * |

CRT SOCKET PW BOARD ASS'Y (SMB-3001B-U2)

| Symbol No. | Part No. | Part Name | Descripti | on | | Loca |
|--------------------|------------------|-----------------|------------|------|---|------|
| RESIST | | | | | | |
| R3106 | QRD14CJ-100SX | C R | 10 Ω | 1/4W | J | |
| R3119 | QRG029J-391A | OM R | 390 Ω | 2W | J | |
| R3229-31. | QRG019J-823S | OM R | 82k Ω | 1 W | J | |
| CAPACI | TOR | | | | | |
| C3101 | GETN1HM-106Z | E CAP. | 10 µ F | 50V | M | |
| C3102 | QFLC1HK-103MZ | M CAP. | 0.01 μ F | 50V | K | |
| C3103 | GETN1HM-335Z | E CAP. | 3.3 μ F | 50V | M | |
| C3104 | QETN1CM-107Z | E CAP. | 100 μ F | 16V | М | |
| C3107 | QETC2CM-106Z | E CAP. | 10 µ F | 160V | M | |
| C3110 | QETC2CM-106Z | E CAP. | 10 μ F | 160V | M | |
| C3111 | QETCOJM-107Z | E CAP. | 100 μ F | 6.3V | M | |
| C3118 | QETN1HM-106Z | E CAP. | 10 μ F | 50V | М | |
| C3204-09 | QCZ0120-104MZ | C CAP. | 0.1 µ F | 25V | Z | |
| C3210-12 | QFH62EK-104MZ | MM CAP. | 0.1μF | 250V | K | |
| C3218 | QETM2EM-336 | E CAP. | 33 µ F | 250V | М | |
| C3219 | QFZ0097-223M | M M CAP. | 0. 022 µ F | | ĸ | |
| C3221 | GETC2EM-106Z | E CAP. | 10 µ F | 250V | M | |
| C3301 | QETN1CM-1072 | E CAP. | 100 µ F | 16V | M | - |
| COIL | | | | | | |
| L3101 | CELP026-150Z | PEAKING COIL | 15 µ H | | | |
| L3201-03 | CELP026-4R7Z | PEAKING COIL | 4. 7 μ H | | | |
| DIODE | | | | | | |
| D3101-02 | RH1S-T3 | SI. DIODE | | | | |
| D3103 | MA165-T2 | SI. DIODE | | | | |
| D3151 | 1SS133-T2 | SI. DIODE | | | | |
| D3204-06 | EU01N-T2 | SI. DIODE | | | | |
| D3301 | 1SS252-T2 | SI. DIODE | | | | |
| D3302-03 | 1SS133-T2 | SI. DIODE | | | | |
| TRANSI | | | | | | |
| Q3101 | 2SA1309A (QR) -T | SI. TRANSISTOR | | | | |
| Q3102-03 | 2SC3311A (QR) -T | SI. TRANSISTOR | | | | |
| Q3104 | 2SA1309A (QR) -T | SI. TRANSISTOR | | | | |
| Q3105 | 2SA1837 | SI. TRANSISTOR | | | | |
| 03106 | 2SC4793 | SI. TRANSISTOR | | | | |
| Q3107 | 2SC3311A (QR) -T | SI. TRANSISTOR | | | | |
| 03108 | 2SC1906-T | SI. TRANSISTOR | | | | |
| Q3301 | 2PA1015 (YG) -T | SI. TRANSISTOR | | | | |
| Q3302 | 2SC2655 (Y) -T | SI. TRANSISTOR | | | | |
| Q3303 | 2PA1015 (YG) -T | SI. TRANSISTOR | | | | |
| I C IC3201-03 | TDA61110 | I. C (MONO-ANA) | | | | |
| | IDVOLLIA | I. U (RUNU"ARA) | | | | |
| OTHERS K3101-04 | CE41492-001Z | CHOKE COIL | | | | |
| R3109 | QRH017J-561M | F R | 560 Ω | 1₩ | J | |
| | | | | | | |

AUDIO PW BOARD ASS'Y (SMB-6001B-U2)

| Loca | | rı | Descriptio | Part Name | Part No. | Symbol No. |
|------|---|-----|------------|------------------|------------------|------------|
| | | | | | TOR | CAPACI |
| * | j | 50V | 0.68 μ F | TF CAP. | QFV71HJ-684MZ | C6101 |
| * | M | 25V | 2200 µ F | E CAP. | QETM1EM-228 | C6102-03 |
| * | M | 50V | ťμF | E CAP. | QETN1HM-105Z | C6105 |
| * | M | 16V | 100 μ F | E CAP. | QETN1CM-107Z | C6106 |
| * | J | 50V | 0.68 µ F | TF GAP, | QFV71HJ-684MZ | C6108 |
| | J | 50V | 0.1 μ F | TF CAP. | QFV71HJ-104MZ | C6109-10 |
| * | M | 50V | 1 μ F | E CAP. | QETN1HM-105Z | C6112 |
| * | M | 16V | 100 µ F | E CAP. | QETN1CM-107Z | C6113 |
| * | J | 50V | 0.68 μ F | TF CAP. | QFV71HJ-684MZ | C6115-16 |
| | J | 50V | 0.1 µ F | TF CAP. | QFV71HJ-104MZ | C6117-18 |
| * | j | 50V | 0. 01 μ F | M CAP. | QFLC1HJ-103MZ | C6121 |
| | | | | | | DIODE |
| * | | | | ZENER DIODE | MTZJ27 (B) -T2 | D6101-04 |
| * | | | | ZENER DIODE | MTZJ5. 1 (B) -T2 | D6105 |
| * | | | | SI. DIODE | 1SS133-T2 | D6107 |
| * | | | | SI. DIODE | MA700-T2 | D6108 |
| * | | | | SI. DIODE | 1SS133-T2 | D6112 |
| * | | | | SI. DIODE | 1\$\$133-T2 | D6115 |
| | | | | | STOR | TRANSI |
| | | | | DIGI. TRANSISTOR | DTC144ESA-T | Q6101 |
| * | | | | SI. TRANSISTOR | 2PA1015 (YG) -T | Q6102 |
| * | | | | SI. TRANSISTOR | 2PA1015 (YG) -T | Q6104 |
| | | | | DIGI. TRANSISTOR | DTC144ESA-T | Q6105 |
| * | | | | DIGI. TRANSISTOR | DTC323TS-T | Q6106-07 |
| | | | | | | 1 C |
| * | | | | I. C (MONO-ANA) | TDA2052V | IC6101-02 |
| | | | | | | OTHERS |
| * | | | | BEADS CORE | CE41433-001Z | K6001-02 |

| ∆ Symbol No. | Part No. | Part Name | Descriptio | n | | Loca |
|----------------|------------------|---|------------|-----|---|------|
| CAPACI | | | | | | |
| C8003 | QETN1HM-106Z | E CAP. | 10 µ F | 50V | Ħ | * |
| C8004 | QCZ0120-104MZ | C CAP. | 0.1 μ F | 25V | Z | * |
| C8005 | QETN1CM-476Z | E CAP. | 47 µ F | 16V | M | * |
| C8009 | QETN1CM-476Z | E CAP. | 47 µ F | 16V | W | * |
| C8012 | QETN1HM-106Z | E CAP. | 10 µ F | 50V | M | * |
| C8013-14 | QETN1HM-105Z | E CAP. | 1 μ F | 50V | М | * |
| C8017-18 | QETN1HM-106Z | E CAP. | 10 μ F | 50V | M | * |
| C8020-21 | QCZ0120-104MZ | C CAP. | 0.1μF | 25V | Z | * |
| ∆ C8901 | QFZ9040-474N | MF CAP. | 0. 47 μ F | | | * |
| COIL | | | | | | |
| L8001 | CE41832-001 | LEAD CORE | | | | * |
| L8002-03 | CELPO17-5R6Y | PEAKING COIL | 5.6 µ H | | | * |
| L8010-11 | CELP017-270Y | PEAKING COIL | 27 µ H | | | * |
| L8012 | CE41832-001 | LEAD CORE | | | | * |
| DIODE | | | | | | |
| D8007 | P1201 | C. D. S. | | | | * |
| D8008 | 1SS133-T2 | SI. DIODE | | | | * |
| D8009 | SLR-342MG-T16 | L.E.D. (GRN) | ECO | | | * |
| D8010 | SPR-39MVWF | L. E. D. | POWER | | | * |
| D8011 | 1SS133-T2 | SI. DIODE | | | | * |
| D8012 | SLR-342DU-T16 | L. E. D. (ORG) | TIMER | | | * |
| D8013 | SLR-342YY-T16 | L. E. D. (YLW) | 3D-PHONIC | | | * |
| D8014 | MTZJ6.8(A)-T2 | ZENER DIODE | | | | * |
| D8015-16 | MTZJ15 (C) -T2 | ZENER DIODE | | | | * |
| D8017 | MTZJ6, 2(B)-T2 | ZENER DIODE | | | | * |
| D8018 | MTZJ5. 1 (B) -T2 | ZENER DIODE | | | | * |
| TRANSI | STOR | *************************************** | | | | |
| Q8001 | 2PC1815 (YG) -T | SI. TRANSISTOR | | | | * |
| 08002 | DTC144ES-T | DIGI. TRANSISTOR | | | | * |
| 08003-04 | DTA144ESA-T | DIGI. TRANSISTOR | | | | |

| Local | Description | Part Name | Part No. | Symbol No. | |
|-------|-------------|-----------------|----------------------------|-------------------------|---|
| * | | IFR DETECT UNIT | GP1U281Q BA4558 | I C IC8001 IC8002 | _ |
| | | | | OTHERS | |
| * | | FUSE CLIP | CEMG002-001Z | | |
| . * | | L. E. D. HOLDER | CM36548-001-E | | |
| | 3. 15A | CDS HOLDER | CM35921-A04-H | | |
| | HEADPHONE | FUSE JACK | QMF51D2~3R15J1 | F8901 | Δ |
| * | V41N | JACK | QMS3007-C01 | J8001 | |
| * | LAIN | JACK | CEMN011-001 CEMN011-002 | J8004 | |
| * | RAIN | JACK | CEMNO11-002 | J8005 J8006 | |
| * | | LINE FILTER | CELF012-001J7 | LF8901 | • |
| * | | LINE FILTER | CELF012-001J7 | LF8902 | |
| | CH UP/DOWN | PUSH SWITCH | CESP001-001 | S8001 | ب |
| | MENU | PUSH SWITCH | CESP001-001 | S8002 | |
| * | MAIN POWER | PUSH SWITCH | QSP4K21-C01 | | Δ |

| Symbol No. | Part No. | Part Name | Description | on | | Loca |
|-------------------|-------------------------------|-----------|-------------|-------------|---|------|
| CAPAC | TOR | | | | | |
| 00101 | QETN1CM-476Z | € CAP. | 47 µ F | 16V | M | * |
| C0102 | NCTO3CH-680AY | CHIP CAP. | 68 p F | | Н | * |
| C0103 | GETNICM-476Z | E CAP. | 47 μ F | 16V | M | 3 |
| C0104 | NCB21HK-473AY | CHIP CAP. | 0.047 μ F | 50V | K | |
| C0105 | NCB21HK-223AY | CHIP CAP. | 0.022 μ F | 50V | K | 1 |
| C0106 | NCB21HK-102AY | CHIP CAP. | 1000 p F | 50V | K | |
| CO107 | QETN1CM-476Z | E CAP. | 47 µ F | 16V | M | |
| C0108 | NCB21HK-473AY | CHIP CAP. | 0.047 μ F | 50V | K | |
| C0109 | QETNICM-476Z | E CAP. | - 47 μ F | 16V | M | |
| C0110 | NCTO3CH-680AY | CHIP CAP. | 68 p F | 1600V | Н | |
| C0111 | NCB21HK-473AY | CHIP CAP | 0.047 μ F | 50¥ | K | |
| C0112-13 | GETN1CM-476Z | E CAP. | 47 μ F | 16V | M | |
| C0112-13 | NCB21HK-473AY | CHIP CAP. | 0.047 µ F | 50V | K | |
| C0116-25 | NCB21HK-102AY | CHIP CAP. | 1000 p F | 50V | K | |
| C0116-23 | QETN1CM-476Z | E CAP. | 47 µ F | 167 | M | |
| CO126 CO127-28 | NCTO3CH-220AY | CHIP CAP. | 22 p F | | Н | |
| C0129 | QETN1HM-106Z | E CAP. | 10 μ F | 50V | M | |
| C0130 | NCB21HK-102AY | CHIP CAP. | 1000 p F | 50V | K | |
| C0131 | NCF21CZ-105AY | G CAP. | 1 u F | 16V | Z | |
| C0132 | NCB21HK-102AY | CHIP CAP. | 1000 p F | 50V | K | |
| CO132 | NCF21CZ-105AY | G CAP. | 1 µ F | 16V | Z | |
| | QETN1HM-106Z | E CAP. | 10 µ F | 50V | M | |
| C0134 | NCB21HK-102AY | CHIP CAP. | 1000 p F | 50V | K | |
| C0135 C0136 | NCF21CZ-105AY | C CAP. | 1 µ F | 16V | Z | |
| C0137-38 | QETN1HM-106Z | E CAP. | 10 µ F | 50 V | M | |
| C0139 | NCB21HK-102AY | CHIP CAP. | 1000 p F | 50V | K | |
| C0140 | NCF21CZ-105AY | C CAP. | 1 µ F | 16V | Z | |
| C0140 | NCB21HK-102AY | CHIP CAP. | 1000 p F | 50V | K | |
| | GETNICH-107Z | E CAP. | 100 μ F | 16V | M | |
| C0142 | | C CAP. | 0.1 µ F | 25V | Z | |
| C0143 | NCF21EZ-104AY QETN1CM-227Z | E CAP. | 220 µ F | 167 | M | |
| C0144 C0145 | NCF21EZ-104AY | C CAP. | 0.1μF | 25V | Ž | |
| C0146 | QETN1CM-107Z | E CAP. | 100 µ F | 16V | м | |
| C0147-53 | NCF21EZ-104AY | C CAP. | 0.1 µ F | 25V | Z | |
| C0201 | NCB21HK-103AY | CHIP CAP. | 0.01 μ F | 50V | K | |
| | NCB21HK-223AY | CHIP CAP. | 0. 022 u F | 50V | K | |
| C0202 | NCB21HK-182AY | CHIP CAP. | 1800 p F | 50V | K | |
| C0203 C0204 | NCF21CZ-105AY | C CAP. | 1 u F | 167 | Z | |
| | NCB21HK-103AY | CHIP CAP. | 0.01 µ F | 50V | ĸ | |
| C0205 C0206 | NCB21HK-223AY | CHIP CAP. | 0. 022 μ F | 50V | ĸ | |
| C0207 | NCB21HK-182AY | CHIP CAP. | 1800 p F | 50V | K | |
| C0208 | NCF21CZ-105AY | C CAP. | 1 µ F | 16V | Z | |
| C0208 | QETN1CM-107Z | E CAP. | 100 µ F | 16V | М | |
| | NCB21HK-103AY | CHIP CAP. | 0.01 µ F | 50V | K | |
| C0210 | NCB21HK~182AY | CHIP CAP. | 1800 p F | 50V | K | |
| CO211 | NCF21CZ-105AY | C CAP. | 1μF | 16V | ž | |
| C0212 | NCB21HK-103AY | CHIP CAP | 0.01 µ F | 50V | ĸ | |
| C0213 C0214 | NCB21HK-103A1 | CHIP CAP. | 0.022 µ F | 50V | ĸ | |

| CO217 | | Part No. | Part Name | Description | <u></u> |
|---|----------|-----------------|------------------|-----------------|---------|
| CO216 | CAPAC | TOR | | | |
| CO216 NCF21CZ-105AY C CAP. 1 μ F 16V Z | | | CHIP CAP. | 1800 pF 50V K | |
| CO217 CO218 CO21 | CO216 | NCF21CZ-105AY | C CAP. | | |
| 00218-21 NCT030H-470AY CHIP GAP. 1 | | MCB21HK-222AV | | | |
| C0305 | | | | | |
| C0305 QETNITCH—4782 E CAP 27 | CU218-21 | NGTU3CH-4/QAY | CHIP GAP. | 47 DF 1600V H | |
| COMMON GETHINE-2282 E CAP 32.6 6.0 W COMMON COMMON | 20000 | 05TU40U 4303 | | | |
| CO405-06 QETNIHM-225Z CAP. C | | GEIN1CM-4/62 | E CAP. | 47 µ F 16V № | |
| COUNTY | 00407 | UE IN 1 HW-2262 | E CAP. | £ 500 M بر22 | |
| C0405-06 GETNIHM-225Z CAP. 2.2 \(\mu F \) 50V M C0407-10 MoGP21EZ-104AV CAP. 0.1 \(\mu F \) 25V Z C0407-10 MoF21EZ-104AV CAP. 0.1 \(\mu F \) 25V Z C0431 GETNIHM-226Z E CAP. 2.2 \(\mu F \) 50V M C0432 GETNICM-477Z E CAP. 470 \(\mu F \) 16V M C0433-34 MOB21KK-272AV CHIP CAP. 2700 \(\mu F \) 50V K C0435-39 MOF21EZ-104AV CAP. 0.1 \(\mu F \) 25V Z C0436-39 MOF21EZ-104AV CAP. 0.1 \(\mu F \) 25V Z C0440 GETNIHM-225Z E CAP. 2.2 \(\mu F \) 50V M C0436-39 MOF21EZ-104AV CAP. 0.1 \(\mu F \) 25V Z C0452 C0456 MOF03CH-100AV CHIP CAP. 0.01 \(\mu F \) 25V Z C0452 MOT03CH-100AV CHIP CAP. 0.01 \(\mu F \) 25V X C0452 MOT03CH-100AV CHIP CAP. 0.01 \(\mu F \) 50V K C0453 MOB21KK-473AV CHIP CAP. 0.047 \(\mu F \) 50V K C0454 MOB21KK-473AV CHIP CAP. 0.047 \(\mu F \) 50V K C0454 MOB21KK-473AV CHIP CAP. 0.047 \(\mu F \) 50V K C0459 GETNICM-107Z E CAP. 1 \(\mu F \) 150V K C0459 GETNICM-107Z E CAP. 1.00 \(\mu F \) 150V K C0459 GETNICM-107Z E CAP. 1.00 \(\mu F \) 150V K C0459 GETNICM-107Z E CAP. 1.00 \(\mu F \) 150V K C0459 GETNICM-107Z E CAP. 0.01 \(\mu F \) 150V K C0450 MOB21KK-473AV CHIP CAP. 0.047 \(\mu F \) 50V K C0450 MOB21KK-100AV CHIP CAP. 0.01 \(\mu F \) 160V M C0452 MOF21CZ-105AV CER. CAP. 0.01 \(\mu F \) 160V M C0452 MOF21CZ-105AV CER. CAP. 0.01 \(\mu F \) 160V M C0452 MOF21CZ-105AV CER. CAP. 0.01 \(\mu F \) 160V M C0452 MOF21CZ-105AV CER. CAP. 0.01 \(\mu F \) 160V M C0452 MOF21CZ-105AV CER. CAP. 0.01 \(\mu F \) 160V M C05053 GETNIHM-106Z E CAP. 0.01 \(\mu F \) 160V M C05053 GETNIHM-106Z E CAP. 0.01 \(\mu F \) 160V M C05053 GETNIHM-106Z E CAP. 0.01 \(\mu F \) 160V M C05053 GETNIHM-106Z E CAP. 0.01 \(\mu F \) 160V M C05057 GETNIHM-106Z E CAP. 0.00 \(\mu F \) 160V M C0505 | | QEINTOM-478Z | E CAP. | 47 µF 16V M | |
| 00407-10 NOF21EZ-104AY C CAP. 0.1 | C0403-04 | NCB21HK-272AY | CHIP CAP. | 2700 pF 50V K | |
| 00407-10 NOF21EZ-104AY C CAP. 0.1 μF 25V Z COM31 QETNIHM-2282 E CAP. 22 μF 50V M M COM33-34 NOR21HK-72RY CHIP CAP. 2700 pF 50V K M COM343-34 NOR21HK-72RY CAP. 2700 pF 50V K M COM343-34 NOR21HK-72RY CAP. 2.2 μF 50V M M COM343-34 NOR21HK-72RY CAP. 0.1 μF 25V Z COM440 NOF21EZ-104AY C CAP. 0.1 μF 25V Z COM440 NOF21EZ-104AY C CAP. 0.1 μF 25V Z COM440 NOF21EZ-104AY C CAP. 0.1 μF 25V Z COM450 NOF21EZ-104AY C CAP. 0.1 μF 16V Z COM545 NOR22HK-73AY CHIP CAP. 0.0 1 μF 50V K COM545 NOR22HK-73AY CHIP CAP. 0.0 1 μF 50V K COM546 QETNICM-107Z C CAP. 1 μF 16V Z COM547 NOF21EZ-105AY C CAP. 1 μF 16V Z COM548 NOR21HK-473AY CHIP CAP. 0.047 μF 50V K COM546 QETNICM-107Z C CAP. 1 μF 16V Z COM548 NOR21HK-473AY CHIP CAP. 0.047 μF 50V K COM546 QETNICM-107Z E CAP. 100 μF 16V M COM540 NOR21HK-473AY CHIP CAP. 0.047 μF 50V K COM546 QETNICM-107Z E CAP. 100 μF 16V M COM540 NOR21HK-103AY CHIP CAP. 0.01 μF 50V K COM540 NOR21HK-103AY CHIP CAP. 0.01 μF 16V Z COM541 NOR21HK-103AY CHIP CAP. 0.01 μF 16V Z COM541 NOR21HK-103AY CHIP CAP. 0.01 μF 16V Z COM541 NOR21HK-103AY CHIP CAP. 0.01 μF 16V M COM540 NOR21HK-103AY CHIP CAP. 0.01 μF 16V M COM540 NOF21C2-105AY C CAP. 10 μF 16V M COM540 NOF21C2-105AY C CAP. 10 μF 16V Z COM501-02 NOF21C2-105AY C CAP. 1 μF 16V Z COM501-02 | CO405-06 | GETN1HM-225Z | E CAP. | 2 2 u F 50V N | |
| COMMINISTRY | | MCE21E7-104AV | | 0 1 F 96V 7 | |
| COM432 GETNICM-477Z E CAP. 470 μ F 16V M COM433-34 NG221HK-272AV CHIP CAP. 2700 μ F 50V M COM435 OETN HM-225Z E CAP. 2.2 μ F 50V M COM436-39 NGF21EZ-104AV C CAP. 0.1 μ F 25V Z COM440 OETN HM-225Z E CAP. 2.2 μ F 50V M COM440 OETN HM-225Z E CAP. 2.2 μ F 50V M COM440 OETN HM-225Z E CAP. 2.2 μ F 50V M COM440 OETN HM-225Z E CAP. 2.2 μ F 50V M COM451 NGF21CZ-105AY C GAP. 1 μ F 16V Z COM452 NGT03CH-100AY CHIP CAP. 10 μ F 1600V H COM453 NGB21HK-103AY CHIP CAP. 0.0 1 μ F 50V K COM454 NGB21HK-473AY CHIP CAP. 0.0 1 μ F 50V K COM454 NGB21HK-473AY CHIP CAP. 0.0 1 μ F 50V K COM457 NGF21CZ-105AY C CAP. 1 μ F 16V Z COM459 NGB21HK-473AY CHIP CAP. 0.0 1 μ F 50V K COM459 QETN1CM-107Z E CAP. 100 μ F 16V M COM459 QETN1CM-107Z E CAP. 100 μ F 16V M COM459 QETN1CM-107Z E CAP. 100 μ F 16V M COM459 NGB21HK-473AY CHIP CAP. 0.0 1 μ F 50V K COM459 NGB21HK-103AY CHIP CAP. 0.0 1 μ F 50V K COM459 NGB21HK-103AY CHIP CAP. 0.0 1 μ F 16V M COM460 NGB21HK-103AY CHIP CAP. 0.0 1 μ F 16V M COM460 NGB21HK-103AY CHIP CAP. 0.0 1 μ F 16V M COM460 NGB21HK-103AY CHIP CAP. 0.0 1 μ F 16V M N COM460 NGB21HK-103AY CHIP CAP. 0.0 1 μ F 16V M N COM460 NGB21HK-103AY CHIP CAP. 0.0 1 μ F 16V M N COM460 NGB21HK-103AY CHIP CAP. 0.0 1 μ F 16V M N COM460 NGB21HK-103AY CHIP CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ F 16V Z COM460 NGCP1CZ-105AY CFR CAP. 0.0 1 μ | | | U UNF. | U. 1 H P 23V 2 | |
| CO0433 | | | | 22 μ F 50V N | |
| 00433-34 NGB21HK-272AY CHIP CAP. 2700 pF 50V K 00436-39 NGF21EZ-104AY C CAP. 0.1 μF 50V M 00436-39 NGF21EZ-104AY C CAP. 0.1 μF 25V Z 00436 QETNIHM-225Z E CAP. 2.2 μF 50V M 00436 NGB21HK-103AY CHIP CAP. 10 pF 1600V H 00453 NGB21HK-473AY CHIP CAP. 0.01 μF 50V K 00453 NGB21HK-473AY CHIP CAP. 0.01 μF 50V K 00454 NGB21HK-473AY CHIP CAP. 0.01 μF 50V K 00455 NGB21HK-473AY CHIP CAP. 0.01 μF 50V K 00456 QETNICM-107Z E CAP. 100 μF 16V M 00457 NGF21CZ-105AY C CAP. 1 μF 16V Z 00458 NGB21HK-473AY CHIP CAP. 0.01 μF 50V K 00458 NGB21HK-473AY CHIP CAP. 0.01 μF 16V M 00459 QETNICM-107Z E CAP. 100 μF 16V M 00450 NGB21HK-103AY CHIP CAP. 0.01 μF 50V K 00451 NGF01CZ-105AY C CAP. 10 μF 16V M 00461 NGT03GH-100AY CHIP CAP. 10 μF 16V M 00461 NGT03GH-100AY CHIP CAP. 10 μF 16V M 00465 NGF21CZ-105AY CER CAP. 0.01 μF 16V Z 00501-02 NGF21CZ-105AY C CAP. 1 μF 16V Z 00501-02 NGF21CZ-105AY C CAP. 1 μF 16V Z 00501-02 NGF21CZ-105AY C CAP. 1 μF 16V Z 00501-04 NGT03GH-100AY CHIP CAP. 10 μF 16V M 00501-0507-08 QETNIHM-106Z E CAP. 10 μF 50V M 005051 QETNIHM-106Z E CAP. 10 μF 50V M 005051 NGF21CZ-105AY C CAP. 10 μF 1600V H 005051 NGF21CZ-105AY C CAP. 10 μF 1600V H 005051 NGF21CZ-105AY C CAP. 10 μF 1600V H 005051 NGF21CZ-105AY C CAP. 10 μF 50V M 005051 NGF21CZ-105A | | | | 470 μ F 16V M | |
| 00435 QETN1HM-225Z E CAP. 2.2 μ F 50V M C0436-39 MCF216Z-104AY C CAP. 0.1 μ F 25V Z C0440 QETN1HM-225Z E CAP. 2.2 μ F 50V M C0451 MCF216Z-105AY C CAP. 1 μ F 16V Z C0452 MC103G1-100AY CHIP CAP. 10 μ F 160V H C0453 MCB21HK-103AY CHIP CAP. 0.01 μ F 50V K C0453 MCB21HK-473AY CHIP CAP. 0.047 μ F 50V K C0456 QETN1CM-107Z E CAP. 10 μ F 16V Z C0457 MC621CZ-105AY C CAP. 1 μ F 16V Z C0457 MC621HK-473AY CHIP CAP. 0.047 μ F 50V K C0459 QETN1CM-107Z E CAP. 100 μ F 50V K C0459 QETN1CM-107Z E CAP. 100 μ F 50V K C0459 QETN1CM-107Z E CAP. 100 μ F 50V K C0459 QETN1CM-107Z E CAP. 100 μ F 50V K C0450 MC621HK-103AY CHIP CAP. 0.01 μ F 50V K C0460 MC621HK-103AY CHIP CAP. 0.01 μ F 50V K C0460 MC621HK-100AY CHIP CAP. 0.01 μ F 50V K C0462 MCF21CZ-105AY CER.CAP. 0.01 μ F 16V Z C0465 MCF21CZ-105AY CER.CAP. 0.01 μ F 16V Z C0501-02 MCF21CZ-105AY CER.CAP. 0.01 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 1600V H C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-106Z E CAP. 10 μ F 50V M C0505 QETN1HM-10 | C0433-34 | NCB21HK-272AY | CHIP CAP. | | |
| CO0440 COETNIHM-225Z E CAP. C. CAP. C. Law F. SOV M | CO435 | OF TN 1HM-2257 | F CAP | | |
| CO4461 NCF21CZ-105AY C CAP. 1 μ | | NOFOICZ IDIAY | | | |
| CO451 | | | | | |
| 00452 NCT03CH-100AY CHIP CAP. 10 pF 1600V H CO453 NCB21HK-473AY CHIP CAP. 0.01 μF 50V K C0454 NCB21HK-473AY CHIP CAP. 0.01 μF 50V K C0455 NCB21HK-473AY CHIP CAP. 0.47 μF 50V K C0456 GETNICM-1072 E CAP. 100 μF 16V M C0457 NCF21C2-105AY CHIP CAP. 0.47 μF 50V K C0458 NCB21HK-473AY CHIP CAP. 0.47 μF 50V K C0458 NCB21HK-103AY CHIP CAP. 0.47 μF 50V K C0458 NCB21HK-103AY CHIP CAP. 0.01 μF 50V K C0451 NCT03CH-100AY CHIP CAP. 0.01 μF 16V M C0460 NCB21HK-103AY CHIP CAP. 0.01 μF 16V Z C0451 NCT03CH-100AY CHIP CAP. 0.01 μF 16V Z C0452 NCF21C2-105AY CER. CAP. 0.01 μF 16V Z C0454 NCF21C2-105AY CER. CAP. 0.01 μF 16V Z C050507-08 NCF21C2-105AY CHIP CAP. 10 μF 16V Z C050507-08 NCF11C2-105AY CHIP CAP. 10 μF 16V Z C05051 NCF21C2-105AY CHIP CAP. 10 μF 16V Z C05031 NCF21C2-105AY CHIP CAP. 10 μF 16V Z C05031 NCF21C2-105AY CHIP CAP. 10 μF 50V M C05051 NCF21C2-105AY CHIP CAP. 10 μF 16V Z C05031 NCF21C2-105AY CHIP CAP. 10 μF 16V Z C05031 NCF21C2-105AY CHIP CAP. 10 μF 50V M C05051 NCF21C2-105AY CHIP CAP. 10 μF 160V H C05051 NCF21C2-105AY CAP. 1 μF 16V Z C05051 NCF21C2-105AY CHIP CAP. 10 μF 50V M C05051 NCF21C2-105AY CHIP CAP. 2000 μF 5 | C0440 | QETN1HM-225Z | E CAP. | 2.2μF 50V M | |
| C0452 NCT03CH-100AY CHIP CAP | CO451 | NCF21CZ-105AY | C CAP. | 1 # F 16V 7 | |
| CO453 | | NCTO3CH-100AY | | | |
| C0454 NCB21HK-473AY CHIP CAP. 0 047 μF 500 K C0456 QETNICM-107Z E CAP. 100 μF 16V M C0457 NGF21CZ-105AY C CAP. 1 μF 15V Z C0458 NCB21HK-473AY CHIP CAP. 0 047 μF 50V K C0458 NCB21HK-473AY CHIP CAP. 100 μF 50V K C0460 NCB21HK-103AY CHIP CAP. 100 μF 1600V H C0461 NCT03CH-100AY CHIP CAP. 10 μF 1600V H C0461 NCT03CH-100AY CER CAP. 10 μF 16V Z C0465 NCF21CZ-105AY CER CAP. 0 01 μF 16V Z C0465 NCF21CZ-105AY CER CAP. 0 01 μF 16V Z C050501-02 NCF21CZ-105AY CER CAP. 10 μF 16V Z C050503-04 NCT03CH-100AY CHIP CAP. 10 μF 16V Z C050503 O4 NCT03CH-100AY CHIP CAP. 10 μF 16V Z C050503 O4 NCT03CH-100AY CHIP CAP. 10 μF 16V Z C050503 O4 NCT03CH-100AY CHIP CAP. 10 μF 50V M C05050 QETNIHM-106Z E CAP. 10 μF 50V M C0531 NCF21CZ-105AY C CAP. 10 μF 50V M C0531 NCF21CZ-105AY CHIP CAP. 10 μF 50V M C0531 NCF21CZ-105AY C CAP. 10 μF 50V M C0533 QETNIHM-106Z E CAP. 10 μF 50V M C05353 QETNIHM-106Z E CAP. 10 μF 50V M C05551 NCF21CZ-105AY C CAP. 10 μF 50V M C05553 NCT03CH-100AY CHIP CAP. 10 μF 160V H C05553 NCT03CH-100AY CHIP CAP. 10 μF 160V H C05553 NCT03CH-100AY CHIP CAP. 10 μF 50V M C05555 NCT03CH-100AY CHIP CAP. 1 | | | OHID OLD | | |
| CO456 | | | | 0.01 μ F 50V K | |
| CO456 | | | CHIP CAP. | | |
| CO457 | CO456 | QETN1CM-1072 | E CAP | | |
| CO458 | | | C CAD | 15 100 7 | |
| COURT COU | | | O UAF. | 1μr 10V Z | |
| COMPANS COM | | | | ປ.047μF 50V K | |
| DOMES NOT DOMAY | C0459 | GETNICM-107Z | E CAP. | 100 μ F 16V M | |
| DOMES NOT DOMAY | C0460 | NCB21HK-103AY | CHIP CAP | 0.01 F 50V F | |
| D0462 NGF21CZ-105AY CER. CAP. O. 01 μF 16V Z D0501-02 NGF21CZ-105AY CER. CAP. O. 01 μF 16V Z D0501-02 NGF21CZ-105AY CAP. O. 01 μF 16V Z D0501-04 NGT03CH-100AY CHIP CAP. O. 01 μF 16V Z D0503-04 NGT03CH-100AY CHIP CAP. O. 01 μF 50V M D0507-08 GETN1HM-106Z E CAP. O. 01 μF 50V M D0507-08 GETN1HM-106Z E CAP. O. 01 μF 50V M D0507-08 GETN1HM-106Z E CAP. O. 01 μF 50V M D0507-08 GETN1HM-106Z E CAP. O. 01 μF 50V M D0507-08 GETN1HM-106Z E CAP. O. 01 μF 50V M D0507-08 GETN1HM-106Z E CAP. O. 01 μF 50V M D0507-08 GETN1HM-106Z E CAP. O. 01 μF 50V M D0507-08 GETN1HM-106Z E CAP. O. 01 μF 50V M D0507-08 GETN1HM-106Z E CAP. O. 01 μF 50V M D0507-08 GETN1HM-106Z E CAP. O. 01 μF 50V M D0507-08 GETN1HM-106Z E CAP. O. 01 μF 50V M D0507-08 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M D0707-05 GETN1HM-106Z E CAP. O. 01 μF 50V M GETN1HM-106Z E CAP. O. 01 μF 50V M GETN1HM-106Z GETN1HM-106Z E CAP. O. 01 μF 50V M GETN1HM-106Z GETN1HM-106Z GETN1HM-106Z GETN1HM-106Z GETN1HM-106Z GETN1HM-106Z GETN1HM-106Z GETN1HM-106Z GETN1HM-106Z | | | CUID CAD | | |
| DO485 | | | | | |
| 1 | | | | 0.01μF 16V Z | |
| DOSD1-02 NOF21CZ-105AY C CAP. | | | CER, CAP. | 0.01 µF 16V 7 | |
| 100013-04 | 00501-02 | | | 1 / F 16V 7 | |
| DOSOS QETN1HM-106Z E CAP 10 μF 500 W DOSOSO7-08 QETN1HM-106Z E CAP 10 μF 500 W DOSOSO7-08 QETN1HM-106Z E CAP 10 μF 500 W DOSOSO7-08 QETN1HM-106Z E CAP 10 μF 500 W DOSOSOSOSOSOSOSOSOSOSOSOSOSOSOSOSOSOSOS | | | | 10 - 6 40000 11 | |
| DOSOT-08 QETN1HM-106Z E CAP. | | | OFF CAP. | | |
| 10 1 10 10 10 10 10 10 | | | | 10 µ F 50V M | |
| 20532 | 00507-08 | GETN1HM-106Z | E CAP. | 10μF 50V M | |
| 20532 | 00531 | NCE2107-1054V | C CAP | 15 1eu 7 | |
| 20536 | | | | | |
| 100 | | | CHIP GAP. | | |
| 1 | | | | 10 μ F 50V M | |
| 20553 | | | | 1 "F 16V 7 | |
| 20555 GEFN1HM-106Z E CAP 10 μF 500 W 10 μF 500 | | | | 10 - 5 10007 11 | |
| 20556 OETNICM-476Z E CAP AT μF 16V M DETNICM-476Z DETNICM-4 | | | UNIP DAP. | TO PE 1000V H | |
| 20556 | | | E CAP. | 10 µ F 50V M | |
| 10 | | | E CAP. | 47 μ F 16V M | |
| 20603-04 OETHICM-476Z E CAP 47 μF 16V M | 10001 | UEINIMM-106Z | E UAP. | 10 μ F 50V M | |
| 20603-04 OETH CM -476Z E CAP 47 μ F 16V M 20701-05 NGB21HK-222AY CHIP CAP 2200 p F 50V K | | | | 10 μ F 50V M | |
| CO L CO CO CO CO CO CO | 0603-04 | QETN1CM-476Z | | 47 µ F 16V ¥ | |
| 0.101-04 CE40344-4R7YL INDUCTOR 4.7 μ H 1.0 μ | | | | 2200 p.F 50V K | |
| 10101-04 CE40344-4R7YL INDUCTOR 4.7 μ H 1.0701-05 CE40344-100YL INDUCTOR 10 μ H 10 | CO. L. | | | | |
| .0701-05 CE40344-100YL INDUCTOR 10 | | CE40344-4R7YI | INDUCTOR | 47,44 | |
| D I O D E | | | | 104 | |
| D I O D E 10103 | | | | 10 <i>µ</i> n | |
| 10103 | 0/06 | UE41433-001Z | BEADS CORE | | |
| MA3062 (M) - X | DIODE | | | | |
| M2021 | 00103 | | ZENER DIODE | | |
| 1045 Ma141WK-X SI_DIODE | 00201 | MA3062(M)-X | | | |
| 10452 | | | | | |
| 10453 | | | | | |
| 10454 | | | | | |
| 10454 | 00453 | MA141WK-X | SI. DIODE | | |
| MA3150 (M) - X ZENER DIODE | | | | | |
| MA3062-X ZENER DIODE | | | TENER DIODE | | |
| 00532 MA3150 (M) -X ZENER DIODE 00552 MA3150 (M) -X ZENER DIODE TRANSISTOR 10302 DIC144EK-X DIGI.TRANSISTOR 10451 DIC231K-X DIGI.TRANSISTOR 10453 DTC144EK-X DIGI.TRANSISTOR 10501 25A1162 (YG) -X SI.TRANSISTOR | | | | | |
| D0552 MA3150 (M) -X ZENER D10DE TRANSISTOR D0302 DTC144EK-X D1G1. TRANSISTOR D0451 DTC323TK-X D1G1. TRANSISTOR D10453 DTC144EK-X D1G1. TRANSISTOR D10501 2SA1162 (YG) -X S1. TRANSISTOR | JU503 | mA3062~X | ZENER DIODE | | |
| DOS52 MA3150 (M) - X ZENER DIODE | 00532 | MA3150 (M) -X | ZENER DIODE | | |
| 10302 DTC144EK-X DIGI.TRANSISTOR 10451-52 DTC323TK-X DIGI.TRANSISTOR 10453 DTC144EK-X DIGI.TRANSISTOR 10501 28A1162 (YG) – X SI.TRANSISTOR | | | | | |
| 10302 DTC144EK-X DIGI.TRANSISTOR 10451-52 DTC323TK-X DIGI.TRANSISTOR 10453 DTC144EK-X DIGI.TRANSISTOR 10501 28A1162 (YG) – X SI.TRANSISTOR | TDANCI | STOR | | | |
| 10451 -52 DTC323TK-X DIGI.TRANSISTÖR 10453 DTC144EK-X DIGI.TRANSISTOR 10501 25A1162 ('G) - X SI.TRANSISTOR | | | DIGI. TRANSISTOR | | |
| 0453 DTC144EK-X DIGI. TRANSISTOR 0501 2SA1162 (YG) -X SI. TRANSISTOR | | | | | |
| 00501 2SA1162 (YG) -X S1. TRANSISTOR | | | DIGI. IRANGIGIUK | | |
| | | | | | |
| | 0501 | 2SA1162 (YG) -X | SI. TRANSISTOR | | |
| NOSOZ-O3 DTC323TK-X DIGI.TRANSISTOR | 0502-03 | DTC323TK-X | DIGI. TRANSISTOR | | |
| | | | | | |
| | | EJATTUZ (10) TA | 31. IRAN3131UK | | |
| 10532 DTC323TK-X DIGI. TRANSISTOR | | | | | |
| 10551 2SA1162 (YG) -X S1. TRANSISTOR | 10551 | 2SA1162 (YG) -X | SI. TRANSISTOR | | |
| 10553 DTC323TK-X DIGH. TRANSISTOR | 0553 | DTC323TK-X | DIG! TRANSISTOR | | |

| ∆ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|-------------------|-------------|-------|
| 1 C | | | | |
| IC0101 | SAA7367T-X | 1. C (DIGI-MOS) | | |
| 100102 | TMS57052BFT | I.C(M) | | |
| IC0103 | LC32464M~80X | I. C (D-RAM) | | |
| IC0104-05 | PCM1717E-X | I. C (MONO-ANA) | | |
| 100111 | BA4558F-X | 1. C (MONO-ANA) | | |
| ICO201-02 | UPC324G2-X | I. C (MONO-ANA) | | |
| 100301 | TC4052BF-X | I. C (DIGI-MOS) | | |
| IC0401 | TDA7315D | I. C (DIGI-OTHER) | | |
| 100431 | TDA7315D | I. C (DIGI-OTHER) | | |
| 100451-52 | BA4558F-X | 1. C (MONO-ANA) | | |
| 100501 | BA4558F-X | I. C (MONO-ANA) | | |
| 100551 | BA4558F-X | I. C (MONO-ANA) | | |
| OTHERS | | | | |
| EF0101-05 | CE42482-103Y | EM! FILTER | | * |
| J0001 | CEMN036-004 | PIN JACK | | |
| J0002 | CEMN061-001 | PIN JACK | | |
| K0101-02 | CE42681-001Y | BEADS CORE | | |
| K0104-07 | CE42681-001Y | BEADS CORE | | |
| K0108 | CE41433-001Z | BEADS CORE | | * |
| X0101 | NAX0001-001X | CRYSTAL | | |

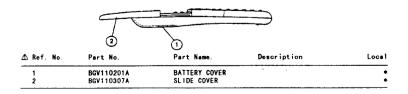
| AV TERMINAL PV | V BOARD ASS'Y | (SMB0J001B-U2) |
|----------------|---------------|----------------|
|----------------|---------------|----------------|

| Local | | n | Descriptio | Part Name | Part No. | Symbol No. |
|-------|---|------------|------------------|------------------|--|-----------------------------|
| * | M | 16V 16V | 10 μ F 47 μ F | E CAP. E CAP. | TOR QEKC1CM-106GMZ QEKC1CM-476MZ | CAPACI C0102-04 C0301 |
| | | | | | | COIL |
| * | | | 5.6 μ H | PEAKING COIL | CELP017-5R6Y | L0101-04 |
| * | | | | LEAD CORE | CE41832-001 | L0105 |
| * | | | 5.6 μ H | PEAKING COIL | CELP017-5R6Y | L0201-04 |
| * | | | | LEAD CORE | CE41832-001 | L0205 |
| | | | 5.6 μ H | PEAKING COIL | CELP017-5R6Y | L0301-02 |
| * | | | | LEAD CORE | CE41832-001 | L0303 |
| | | | | SCART CONNECTOR | CE40529-006 | OTHERS J0001-03 |

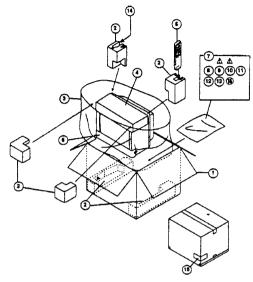
AUTO ASPECT MODULE PW BOARD ASS'Y (SJF0W001A(U))

| △ Symbol No. | Part No. | Part | Name | Description | Local |
|--------------|--------------|------|-------------|-------------|-------|
| OTHERS | SJF0W001A(U) | OTUA | ASPECT MODU | LE | |

REMOTE CONTROL UNIT PARTS LIST (RM-C793-1E) [2812/327]



PACKING



PACKING PARTS LIST

| MZ2EP(A) | AV-28WZ2EN(AVAV-28V Description | Part Name | Part No. | ∆ Ref.No. |
|----------|------------------------------------|-----------------|-----------------|------------|
| * | | PACKING CASE | AEN1002-A44-E | 1 |
| * | | PACKING CUSHION | CP11547-00B-E | 2 |
| * | | SET COVER | AEM1004-A06-E | 3 |
| * | | CUSHION SHEET | CP40193-009-E | 4 |
| * | | CUSHION SHEET | CP40193-010-E | 5 |
| * | | REMOCON UNIT | RM-C793-1E | 6 |
| * | | POLY BAG | AEM3021-001-E | 7 |
| * | | ADDRESS CARD | BT-20066A-E | 8 |
| * | | INST. BOOK | CQ40353-001-E | ∆ 9 |
| * | | INST. BOOK | CQ40352-001-E | △ 10 |
| * | | WARRANTY CARD | BT-54008-1E | 11 |
| * | | DEC. SHEET | CM22966-008-E | 12 |
| * | | WARNING SHEET | LCT0065-001A-U | 13 |
| * | | RF CABLE | AEEAK001-200 | 14 |
| * | | EURO LABEL | AEM1038-058-E | 15 |
| * | AV-28WZ2EN (A) ONLY | S. DIAGRAM | 2832WZ2ENA-HSAE | 16 |
| NZ2EP(A) | AVSZWZZEN(AVAVSZY | | | |
| * | | PACKING CASE | AEM1002-A43-E | 4 |
| * | | PACKING CUSHION | CP11549-00B-E | , |
| * | | SET COVER | AEM1004-A07-E | 3 |

| | | | | AVSZWZZEN(AVAV-3ZWZ | 2EP(A |
|---------------------|----|-----------------|-----------------|---------------------|-------|
| | 1 | AFM1002-A43-E | PACKING CASE | | 1 |
| | 2 | CP11549-00B-E | PACKING CUSHION | | |
| | 3 | AEM1004-A07-E | SET COVER | | |
| | 4 | AEM3022-003-E | CUSHION SHEET | | |
| | 5 | CP40193-010-E | CUSHION SHEET | | |
| | 6 | RM-C793-1E | REMOCON UNIT | | |
| | ž | AEM3021-001-E | POLY BAG | | |
| | 8 | BT-20066A-E | ADDRESS CARD | | 1 |
| Δ | 9 | CQ40353-001-E | INST. BOOK | | |
| $\overline{\Delta}$ | 10 | CQ40352-001-E | INST. BOOK | | |
| 4 | 11 | BT-54008-1E | WARRANTY CARD | | , |
| | 12 | CM22966-014-E | DEC. SHEET | | |
| | 13 | I CT0065-001A-U | WARNING SHEET | | |
| | 14 | AEEAK001-200 | RF CABLE | | |
| | 15 | AEM1038-060-E | EURO LABEL | | , |
| | 16 | 2832WZZENA-HSAE | S. DIAGRAM | AV-32WZ2EN(A) ONLY | |

AV-32WZ2EP AV-28WZ2EN

AV-32WZ2EN AV-28WZ2EP

AV-32WZ2EN AV-32WZ2EP AV-28WZ2EN AV-28WZ2EP

[MAIN PARTS LOCATION AND ALIGNMENTS LOCATION]

AV-32WZ2EN(A)/AV-32WZ2EP(A) AV-28WZ2EN(A)/AV-28WZ2EP(A) STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS 1. SAFETY

The components identified by the∆ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal (2)Setting positions of PAL Colour bar signal

each knob/button and

variable resistor :Original setting position

when shipped

(3)Internal resistance of tester

DC 20k Q /V

⇒ 20uS/div (4)Oscilloscope sweeping time ⇒ 5mS/div

⇒ Sweeping time is

specified :All DC voltage values

(5)Voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

oin the PW board :R1209--R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

■Resistance value

No unit :[Ω]: Κ :fKΩ1 М :[M Ω]

■Rated allowable power

No indication :1/6fW1

Others :As specified

Type

FR

No indication :Carbon resistor OME Oxide metal film resistor MER :Metal film resistor MPE :Metal plate resistor UNFR .Uninflammble resistor

Fusible resistor *Composition resistor 1/2 IWI is specified as 1/2S or Comp. (2)Capacitors

■Capacitance value

1 or higher [pF] less than 1 :fuF1

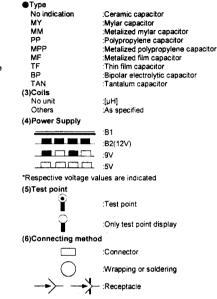
Withstand voltage

No indication :DC50IVI

Others DC withstand voltage [V]

*Electrolytic Capacitors

47/50[Example]:Capacitance value [µF]/withstand voltage[V]



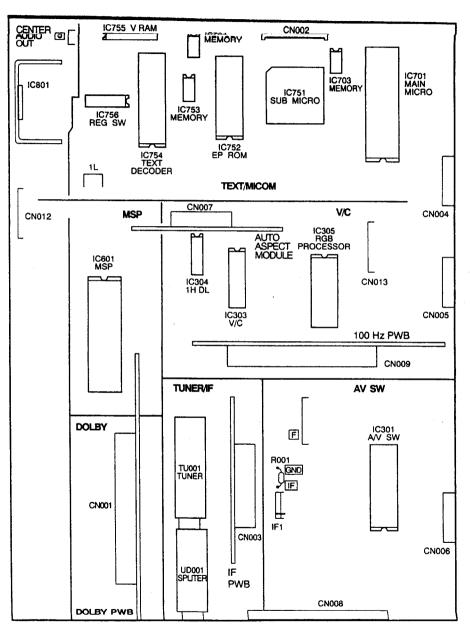
(7)Ground symbol

- :LIVE side ground
- \perp :ISOLATED(NEUTRAL) side ground
- :EARTH ground
- :DIGITAL ground

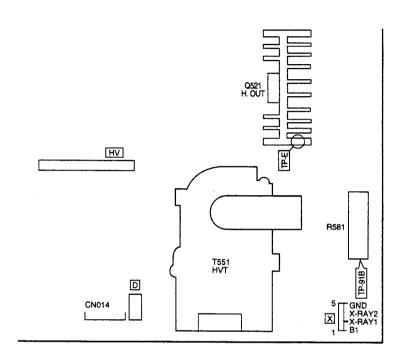
5.NOTE FOR REPAIRING SERVICE

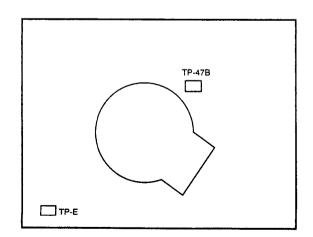
This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (1) side GND and the ISOLATED(NEUTRAL): (4) side GND. Therefore, care must be taken for the following points.

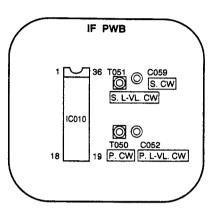
- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.
- Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.



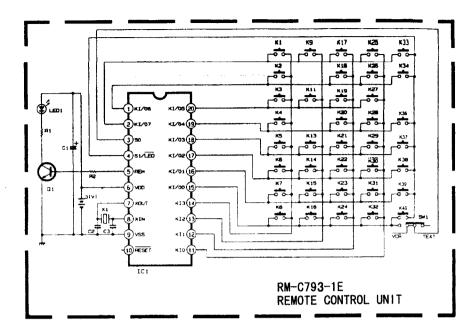
Dec. 1997







[REMOTE CONTROL UNIT CIRCUIT DIAGRAM]

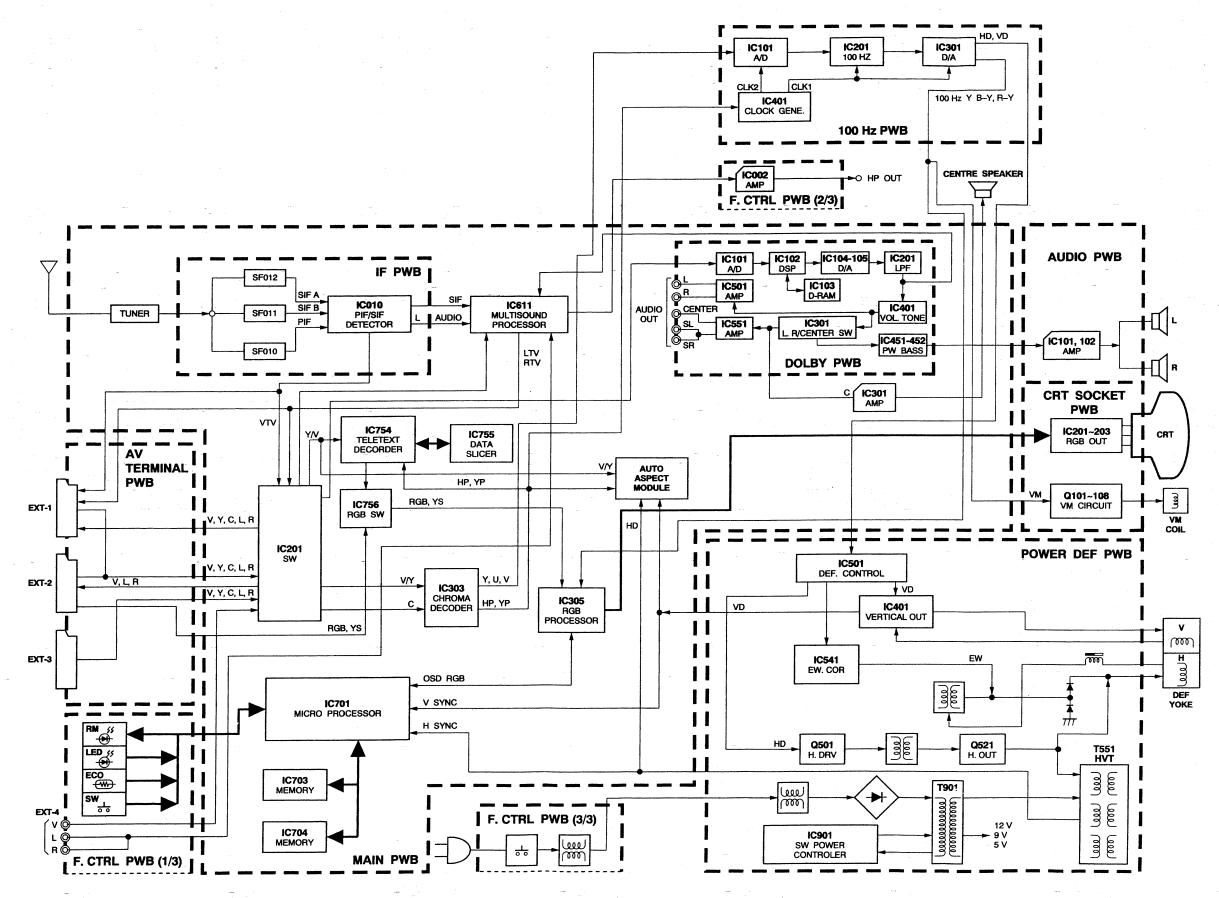


■KEY FUNCTION

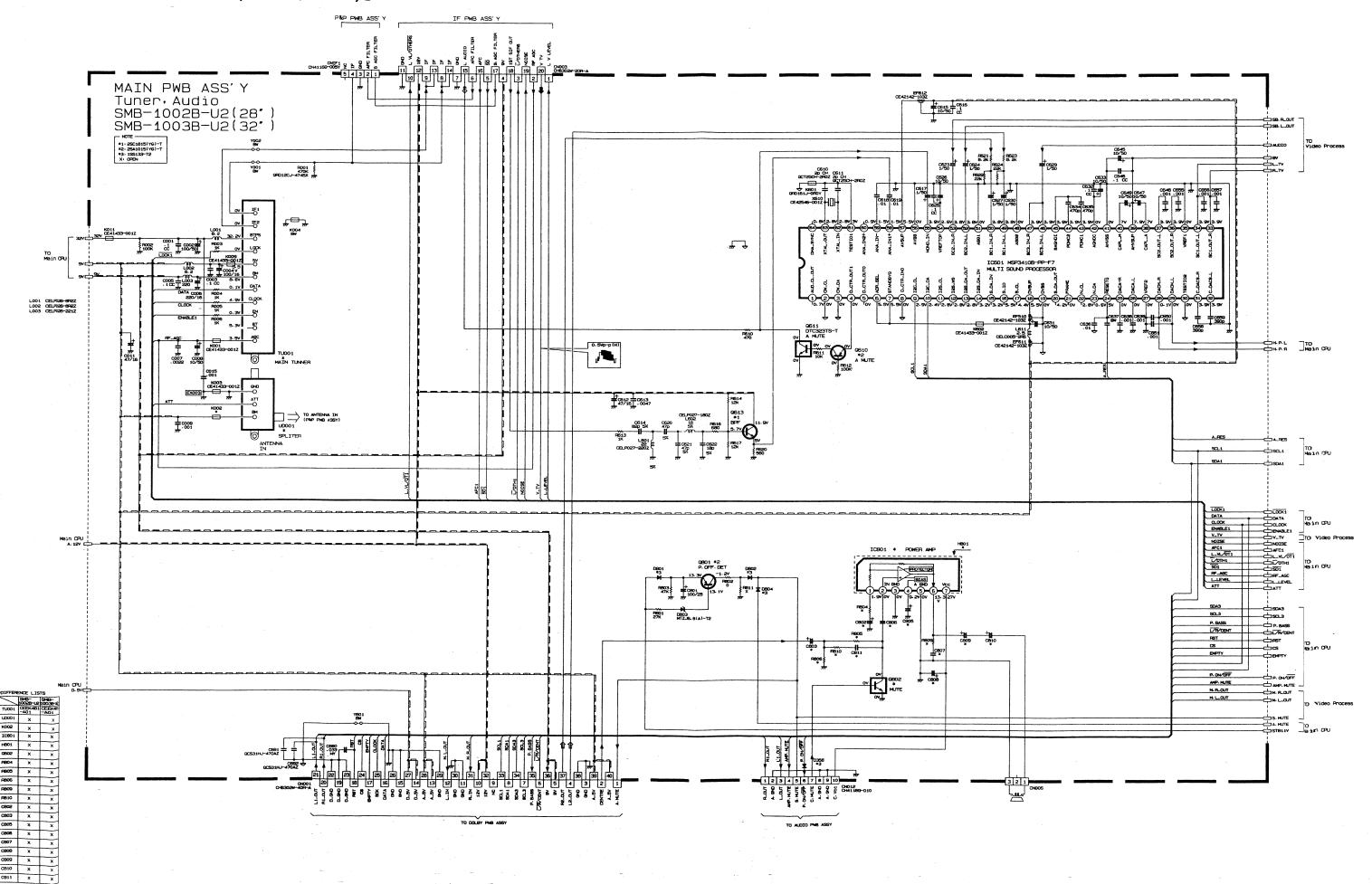
| No. | Key Name | No. | Key Name | No. | Key | Name | No. | Key | Name |
|-----|----------|-----|---------------|------|----------|----------|-----|----------|--------|
| 1 | 1 | 14 | 3D • • • • | - | MODE | (TEXT) | 29 | CANCEL | (TEXT) |
| 2 | 2 | 15 | PBASS | 22 | REW 4 | ◀ (VCR) | 29 | STOP | (VCR) |
| 3 | 3 | 16 | PIP | 1 22 | SIZE | (TEXT) | 30 | INDEX | (TEXT) |
| 4 | 4 | 17 | • | 23 | FF ы | (VCR) | 30 | (1) | (VCR) |
| 5 | 5 | 40 | REVEAL (TEXT) | 24 | SUB PAC | SE(TEXT) | 31 | A | |
| 6 | 6 | 18 | PLAY (VCR) | 24 | PV | (VCR) | 32 | 4 | |
| 7 | 7 | 19 | TV | 25 | 泉 | | 33 | • | |
| 8 | 8 | 20 | MENU/OK | 00 | STORE | (TEXT) | 34 | • | |
| 9 | 9 | - | HOLD (TEXT) | 26 | | (VCR) | 36 | FREEZE | |
| 11 | o | 21 | P A (VCR) | 27 | 1.17 | | 37 | MULTI | |
| 13 | ZOOM | 1 | | 28 | <u> </u> | | 38 | SWAP | |
| | | Ш | 1 | ш | 1 | | 39 | SUB-P V | |
| | | | | | | | 40 | SUB-P A | |
| | | | | | | | | | |

No.51239C

[BLOCK DIAGRAM]



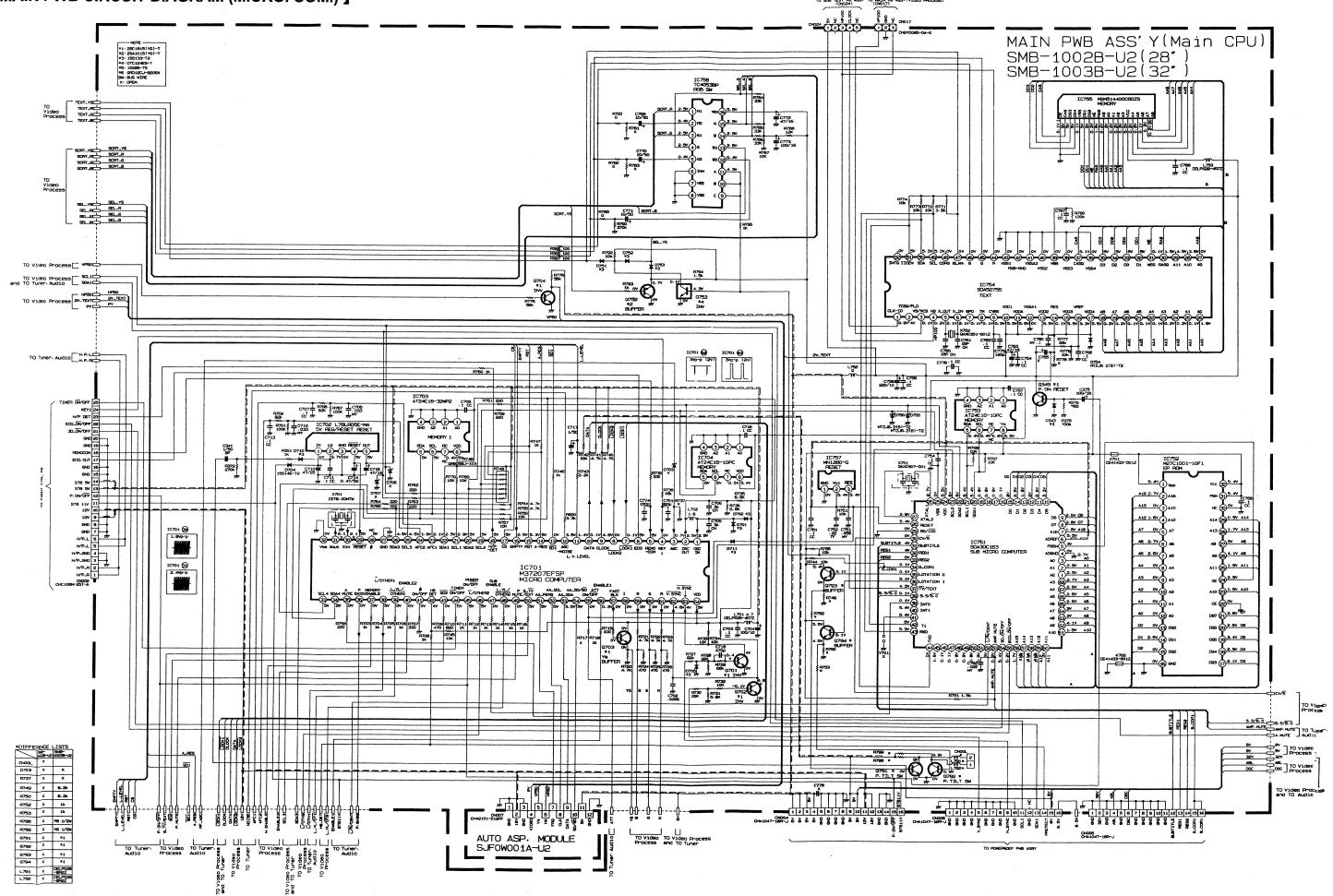
[MAIN PWB CIRCUIT DIAGRAM (TUNER, AUDIO)]

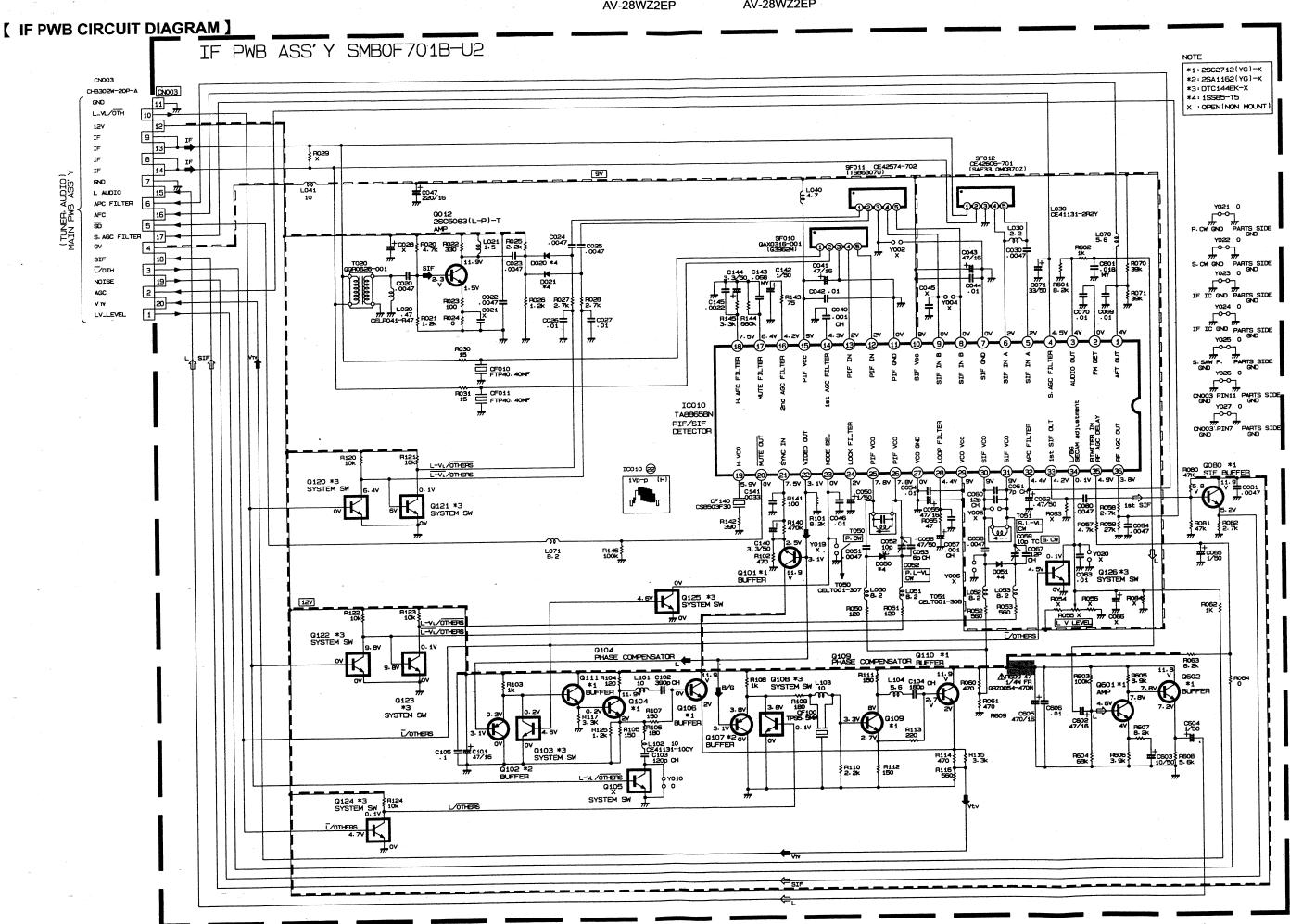


AV-32WZ2EN AV-32WZ2EP AV-32WZ2EN AV-32WZ2EP AV-28WZ2EN AV-28WZ2EN AV-28WZ2EP AV-28WZ2EP [MAIN PWB CIRCUIT DIAGRAM (Video Process)] X 1 8 1 8 1 8 1 8 1 MAIN PWB ASS'Y VIDEO PROCESS SMB-1002B-U2(28° SMB-1003B-U2(32') 5-5/6-0 PY 1 4 4 1H) 90A1 1 50.1 2 3 3 60 6 4 77 77 13.1N 5 77 77 13.1N 8 70.1N 8 7 ONE CONTROL OF CONTROL 0-940-p (f-2. 849 -p/24 1 CZ 0.740-p (H) C3322 X311 0E40749-001Z X312 0E40669-001Z IC303 TDA9141/N2 CHROMA_DECODER OND 18-CNOSS CH650-4N-CST-4 CNOSS (CS62) 0.8WP-P 0343 *1 Y5 MIX R354 IK 1C303 (3 IC303 (3 0.7Wp-p(H) 1C303 (A) LEXT-Y-TOTL LEXT-Y-TIN LEXT-Y-TIN LEXT-Y-TIN LEXT-Y-TIN LEXT-Y-TOTL 230/15 C302 0.7Vp-p1i RECORD REGION OF THE PROPERTY CN020 (C343) 1 TEXT_B_IN 2 TEXT_B_OUT 1 € SVD--p(SH) AV TERMINAL PWB ASS'Y 1/1 08 1/90 2.94 0303 2.34 0303 \$2.34 0303 R218 R216 33k 23k C205 F383 220 0.7Vp-p1 2.3V BUFFER

2.3V BUFFER R219 R220 82k 390 3.3% C2002
3.3% C2002
Ress 22x 77 - 0
2002
N/T DTC323TS-T1
AUTE 0.845-b(SH) 0V 0208 *2 A MUTE 1C305 @ 1.0350 1. 1VID-ID [H] 0352 0352 13.49 83 1472.5.2(8)-72 13.3750 550 777 R366 R367 3.9k 3.9k 0342 DTC:144ES-T MUTE OV -фнедет -фас -фас -фр. мите R248 1/90 ## R251 R253 C213 33k 33k 1/50 2. SV 0302 RG30 100 2. SV BUFFER R254 82k R258 77 390 R015 1.92 0301 1.92 BUFFER 500-500-02 10038-02 K014 CE41433 CE41433 -001Z -001Z No.51239C 2-11 2-12

[MAIN PWB CIRCUIT DIAGRAM (MICRO. COM.)]

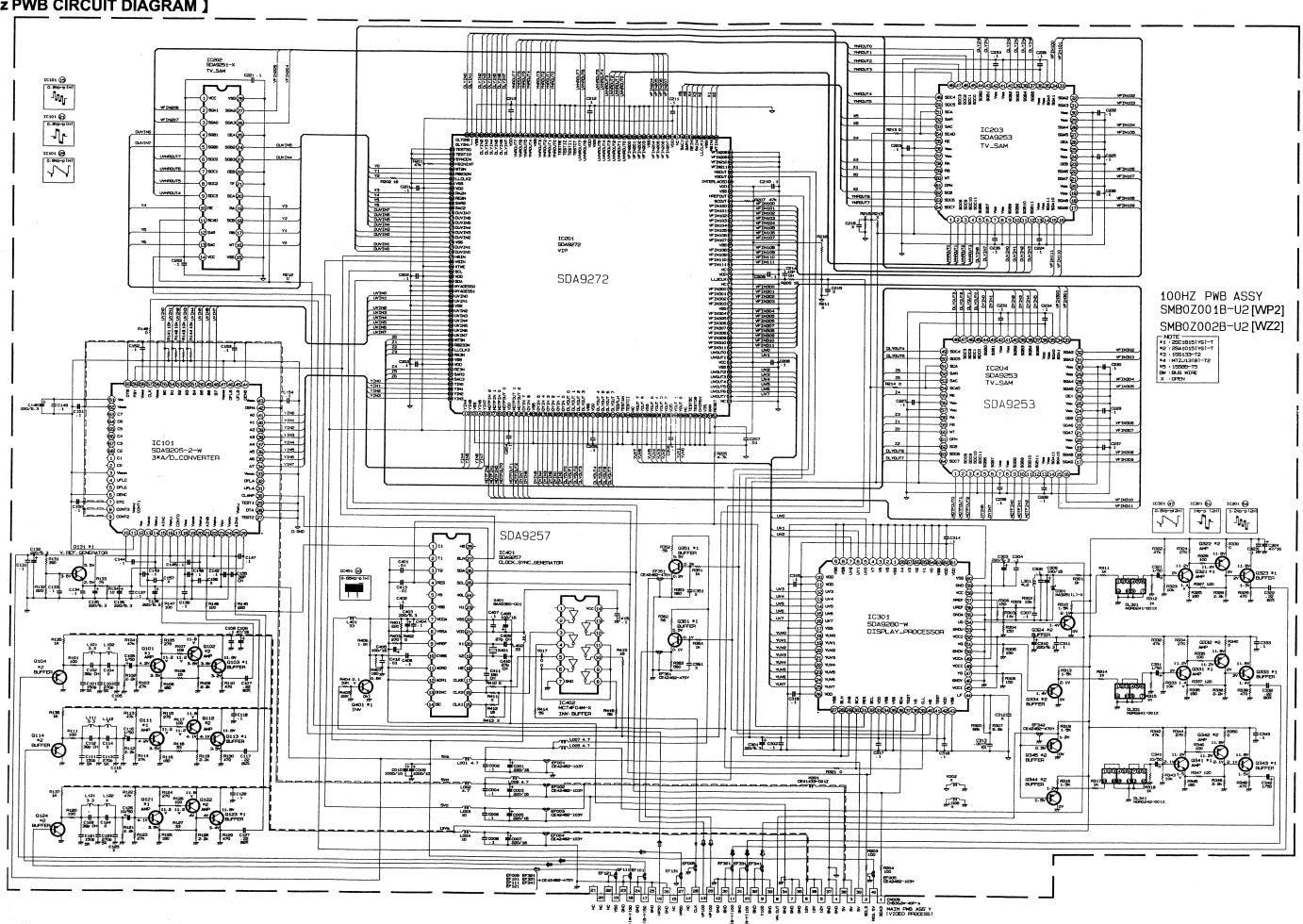




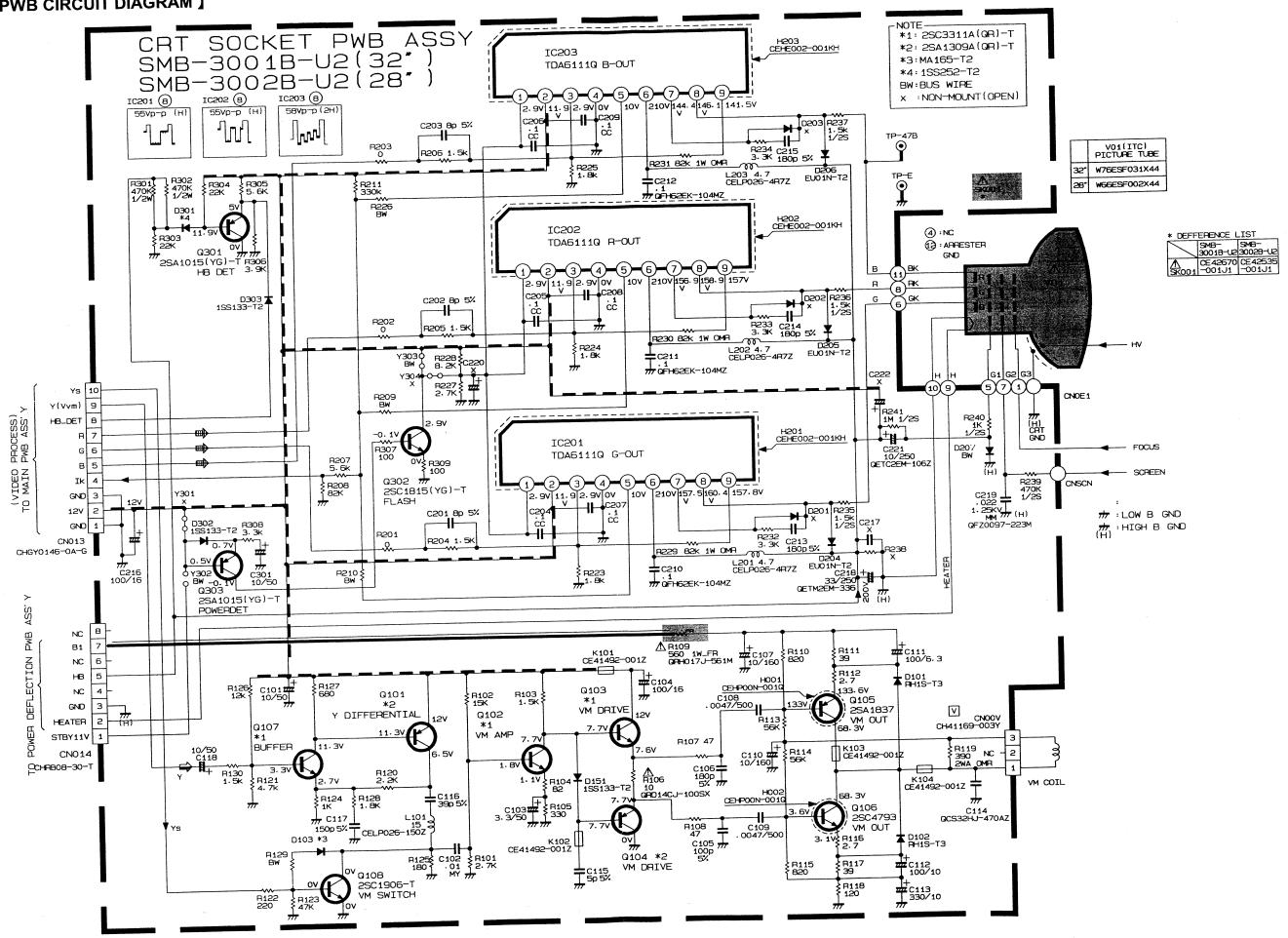
2-16

AV-32WZ2EN AV-32WZ2EP AV-28WZ2EN AV-28WZ2EP AV-32WZ2EN AV-32WZ2EP AV-28WZ2EN AV-28WZ2EP

[100Hz PWB CIRCUIT DIAGRAM]

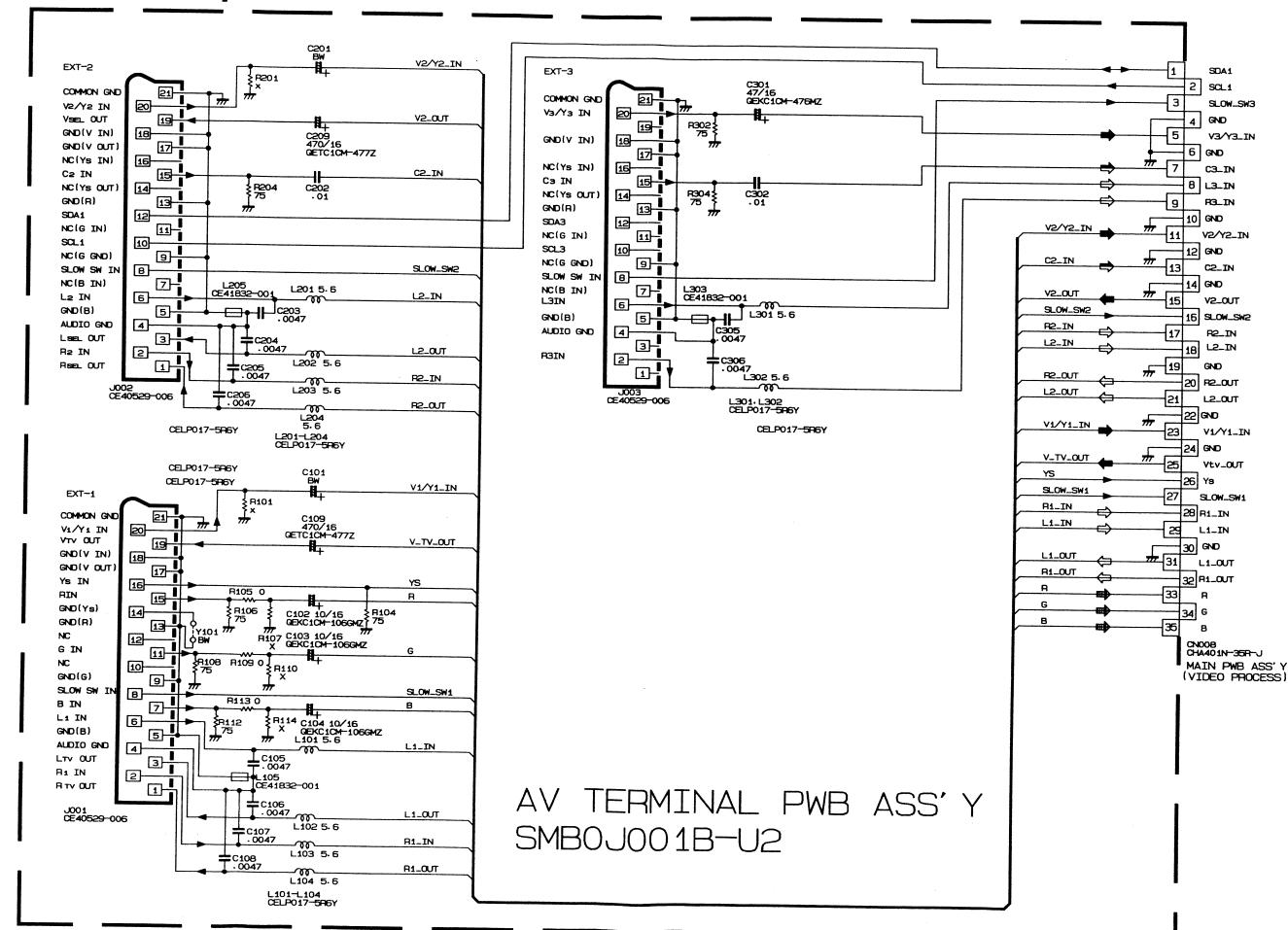


[CRT SKT PWB CIRCUIT DIAGRAM]

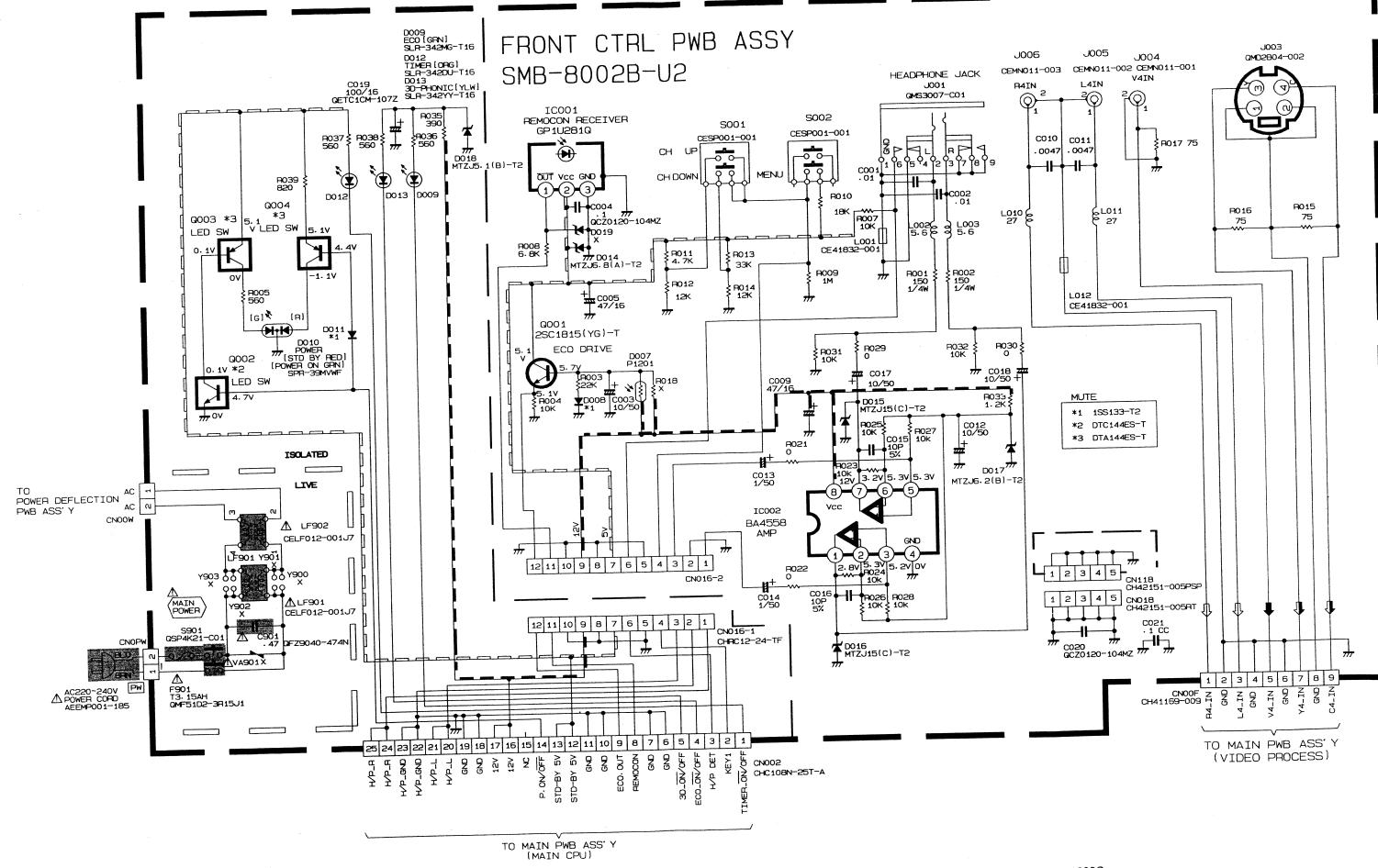


2-20

[AV TERMINAL PWB CIRCUIT DIAGRAM]

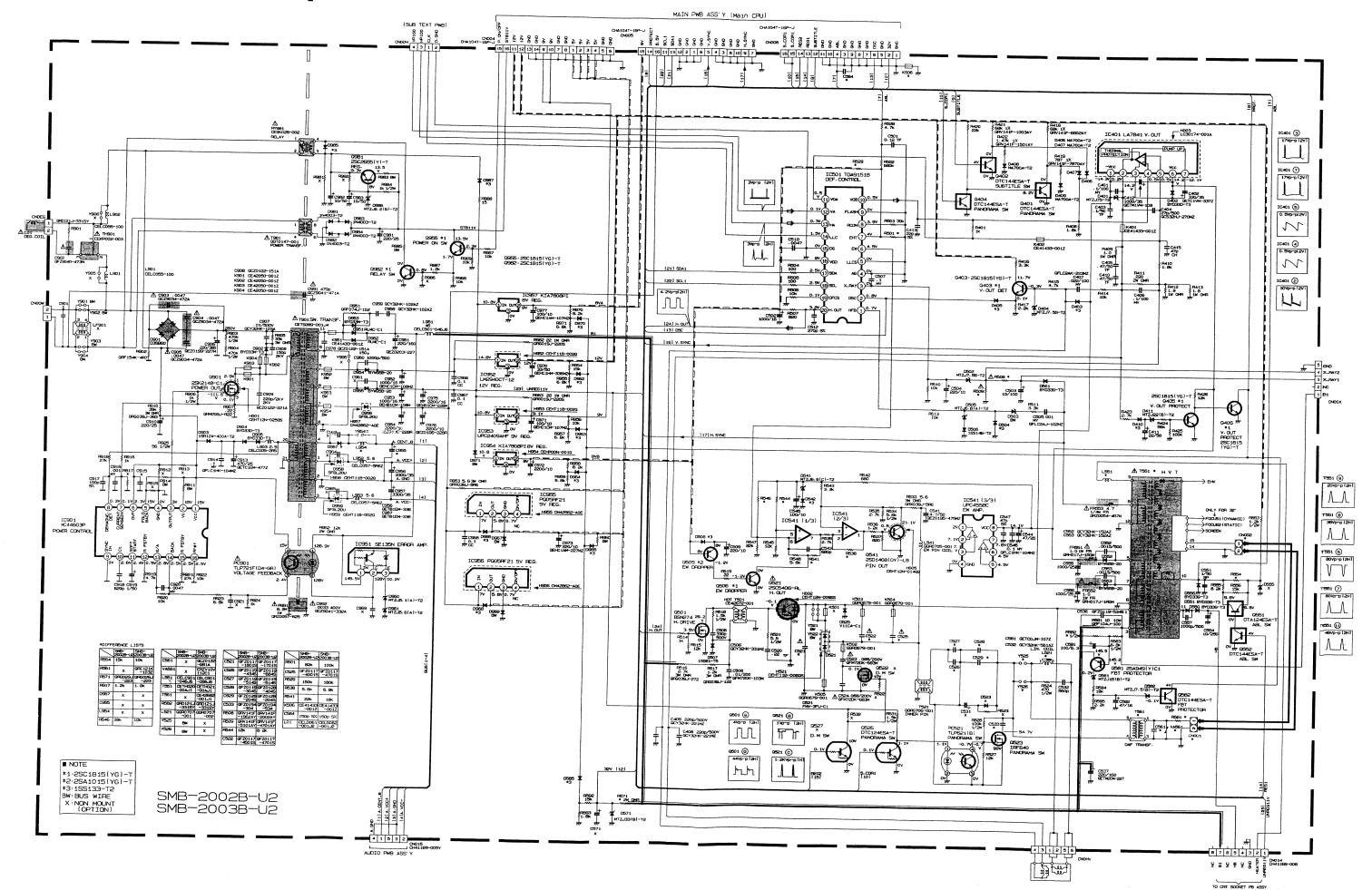


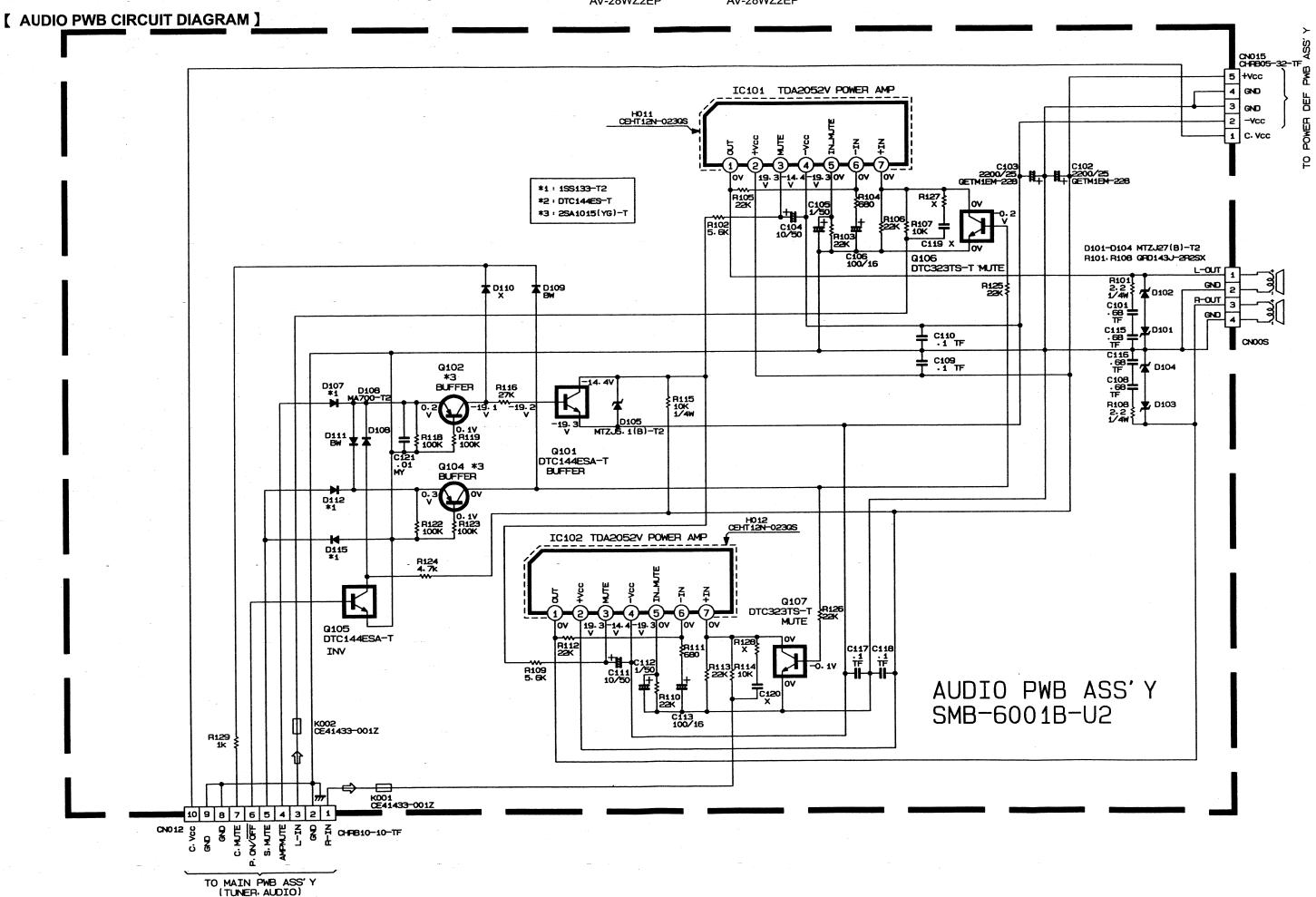
[FRONT CONTROL PWB CIRCUIT DIAGRAM]



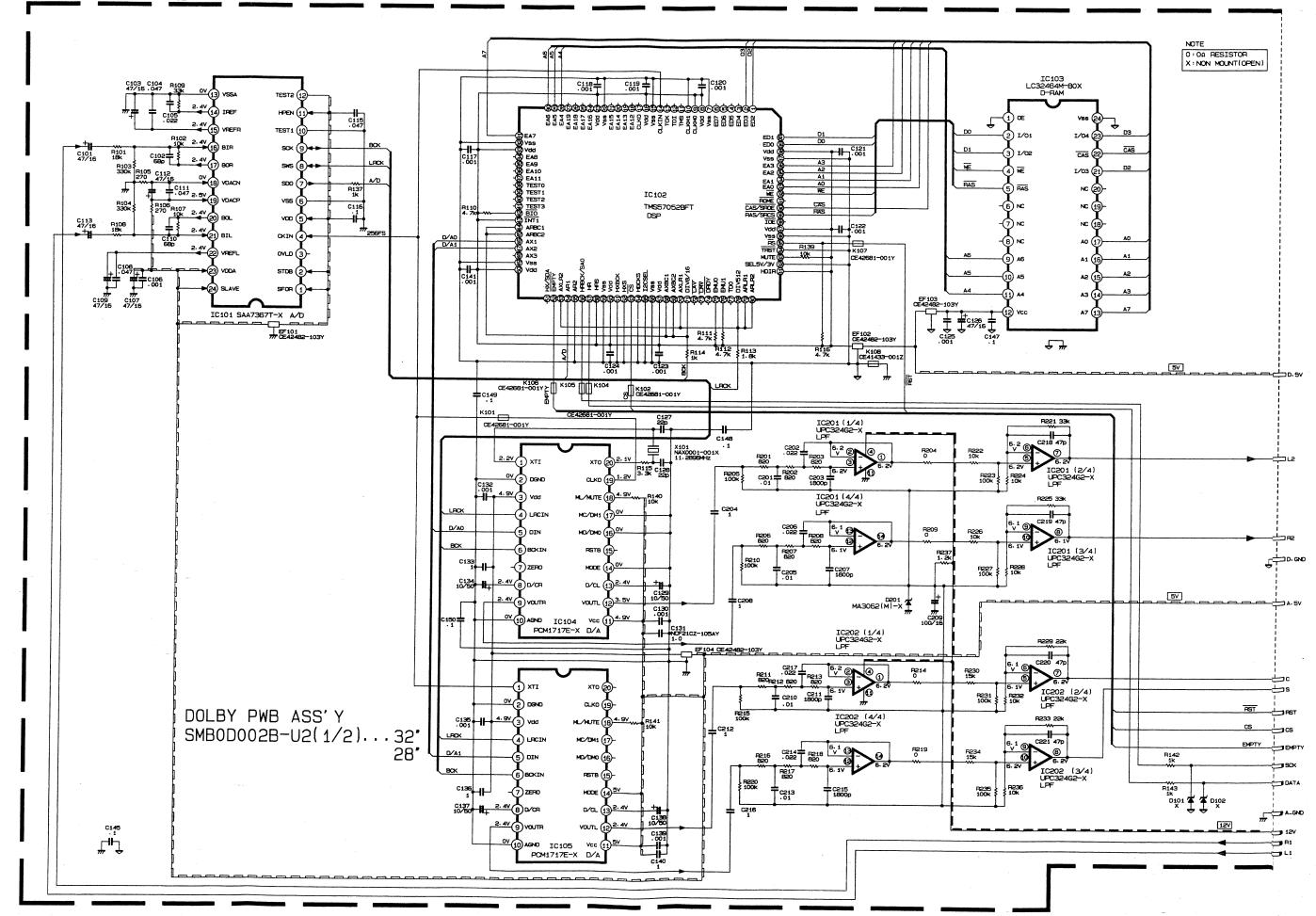
2-24

[POWER DEF PWB CIRCUIT DIAGRAM]

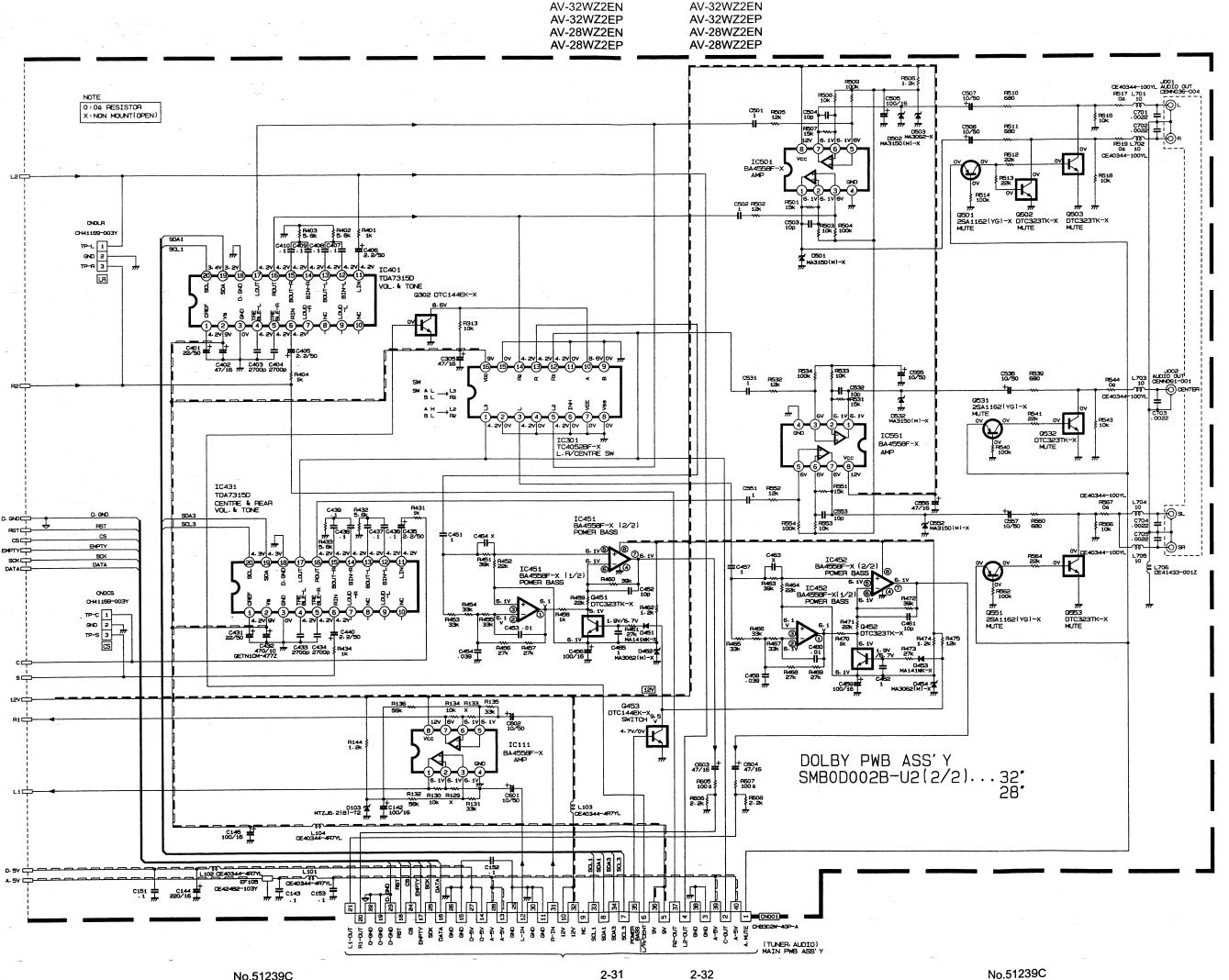




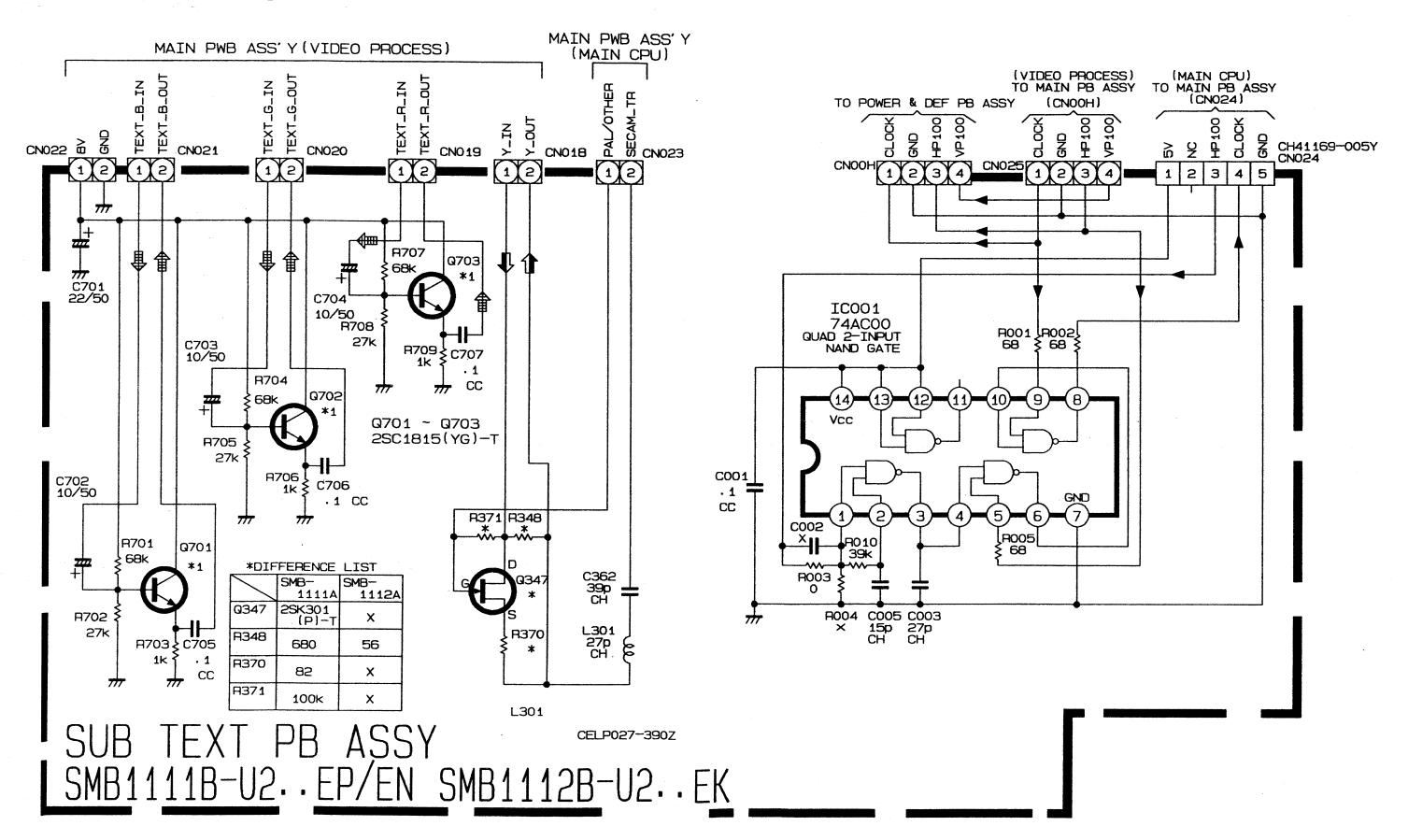
[DOLBY PWB CIRCUIT DIAGRAM]



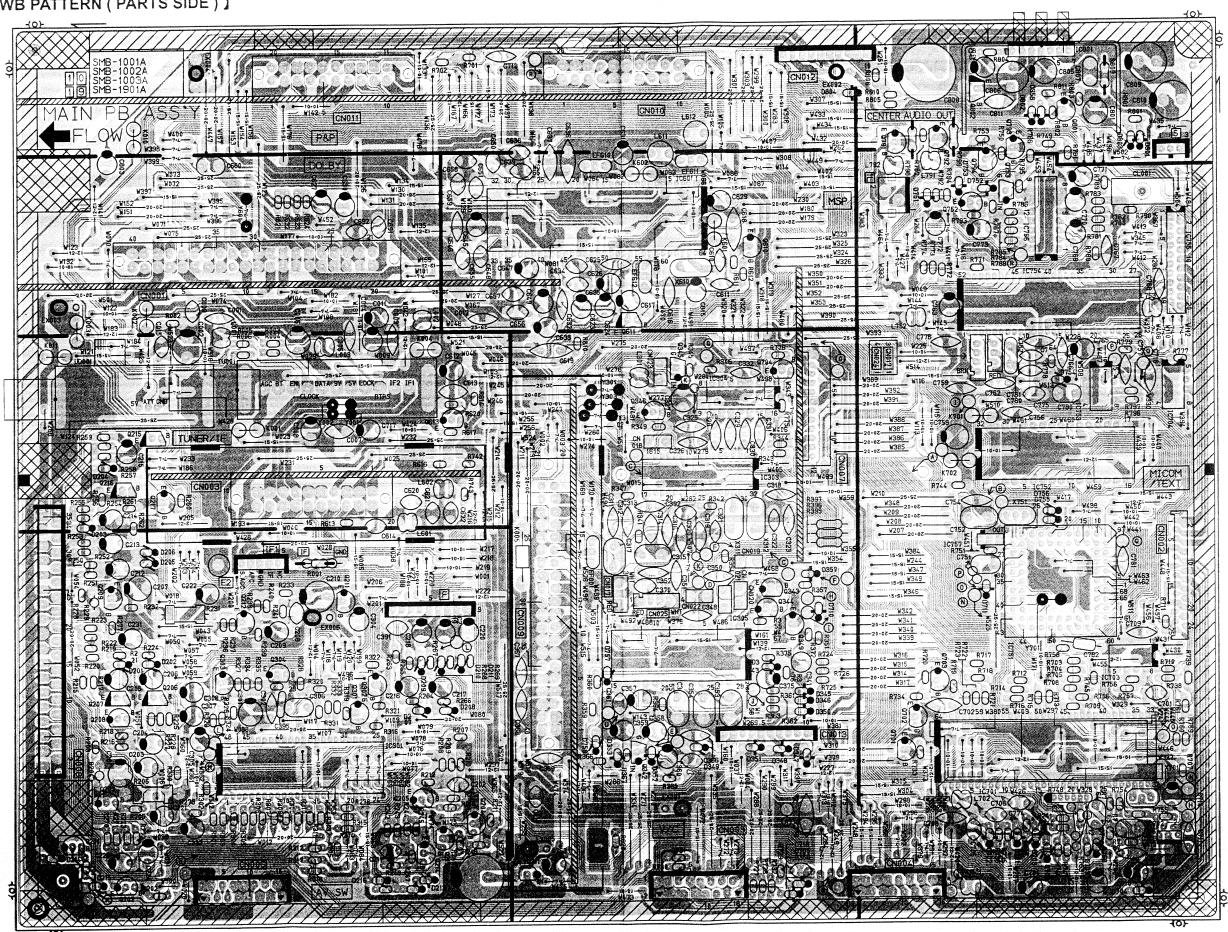
2-30



[SUB TEXT PWB CIRCUIT DIAGRAM]



[MAIN PWB PATTERN (PARTS SIDE)]



2-38

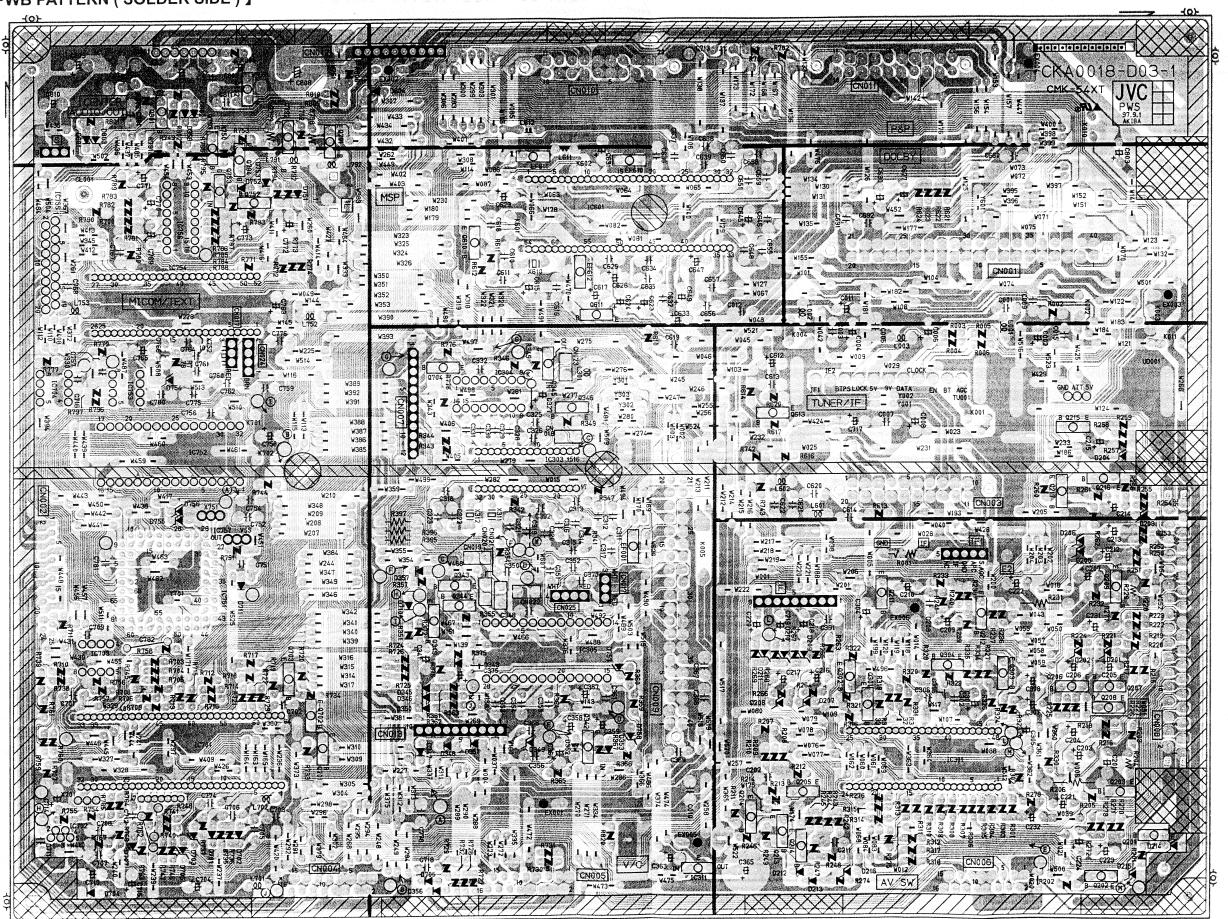
 AV-32WZ2EN
 AV-32WZ2EN

 AV-32WZ2EP
 AV-32WZ2EP

 AV-28WZ2EN
 AV-28WZ2EN

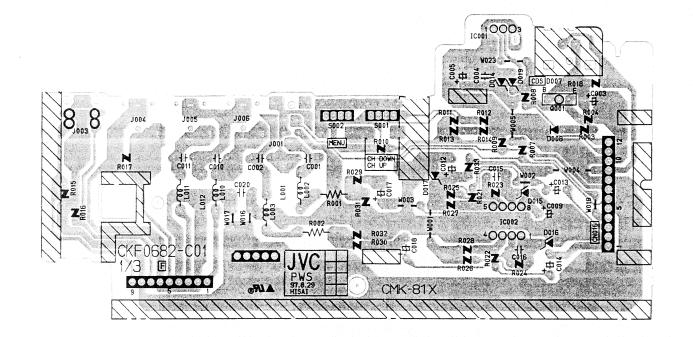
 AV-28WZ2EP
 AV-28WZ2EP

[MAIN PWB PATTERN (SOLDER SIDE)]

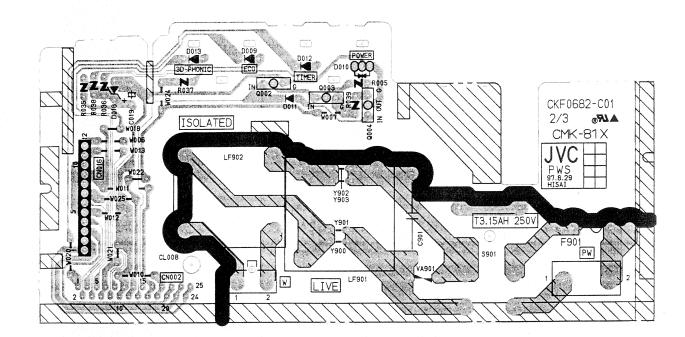


AV-32WZ2EN AV-32WZ2EP AV-28WZ2EN AV-28WZ2EP

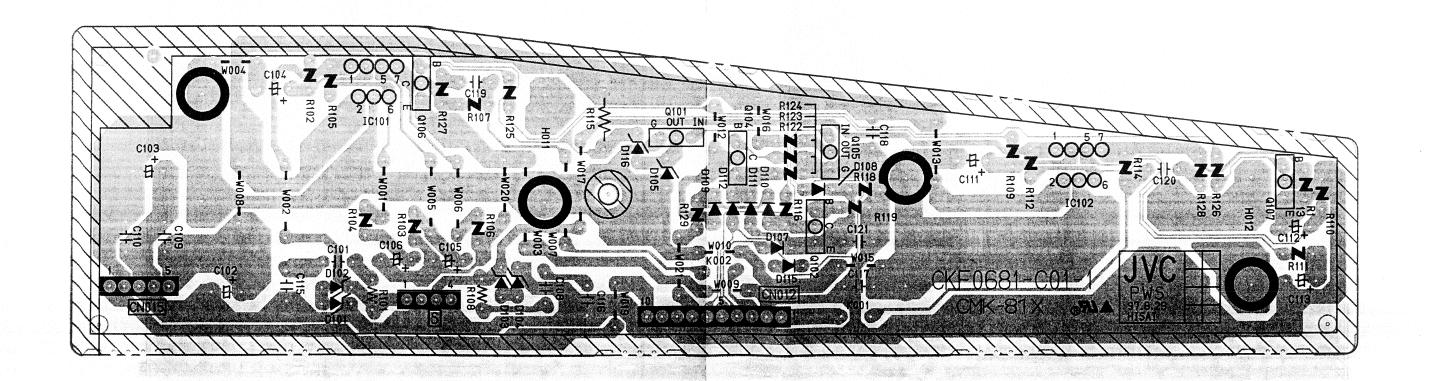
[FRONT CONTROL PWB PATTERN 1]



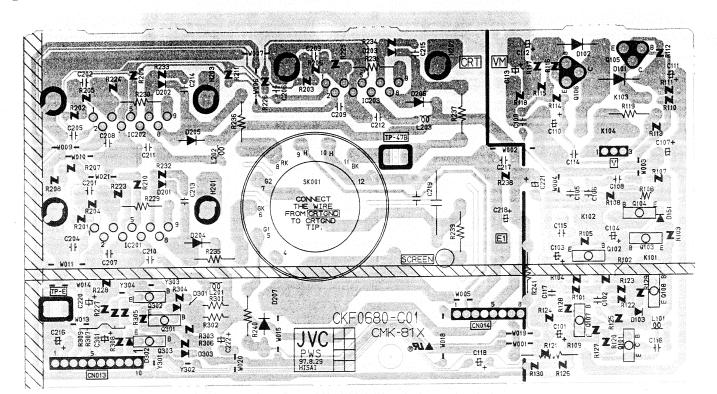
[FRONT CONTROL PWB PATTERN 2]



[AUDIO PWB PATTERN]

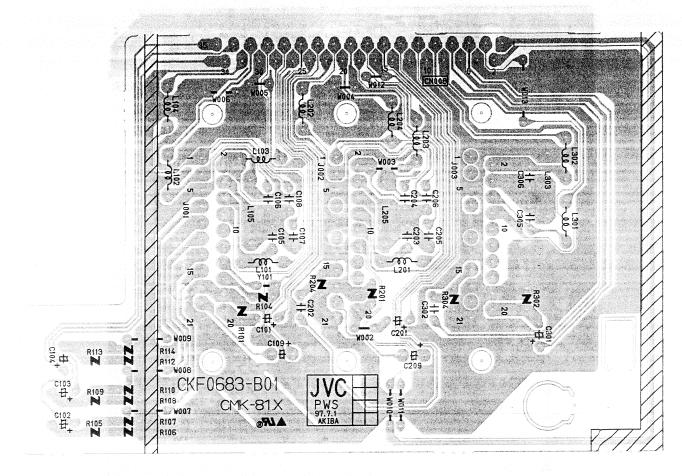


[CRT SOCKET PWB PATTERN]



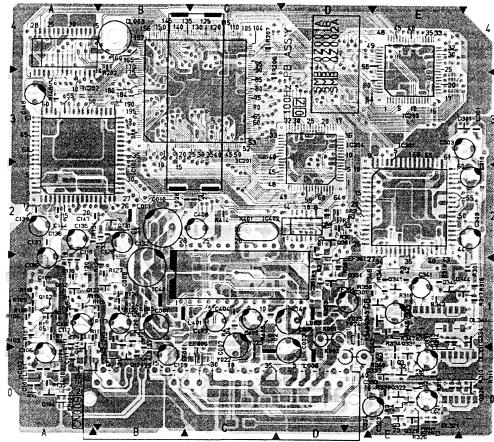
AV-32WZ2EN AV-32WZ2EP AV-28WZ2EN AV-28WZ2EP

[AV TER. PWB PATTERN]

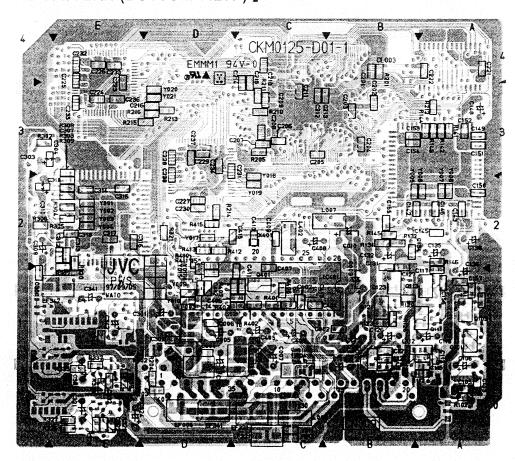


AV-32WZ2EN AV-32WZ2EP AV-28WZ2EN AV-28WZ2EP

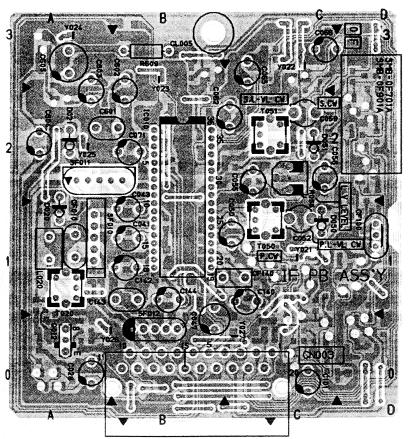
[100Hz PWB PATTERN (TOP VIEW)]



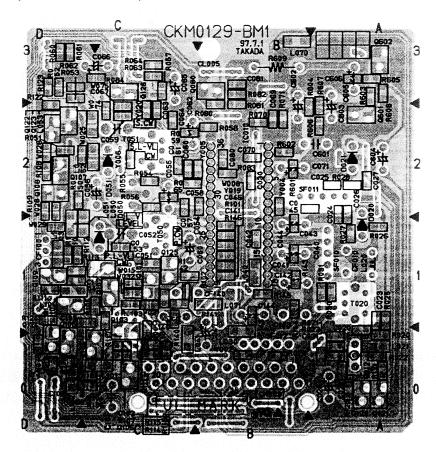
[100Hz PWB PATTERN (BOTTOM VIEW)]



[IF PWB PATTERN (TOP VIEW)]



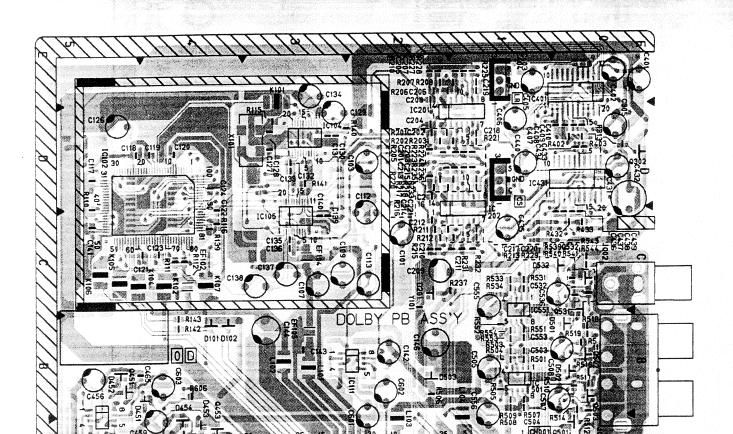
[IF PWB PATTERN (BOTTOM VIEW)]

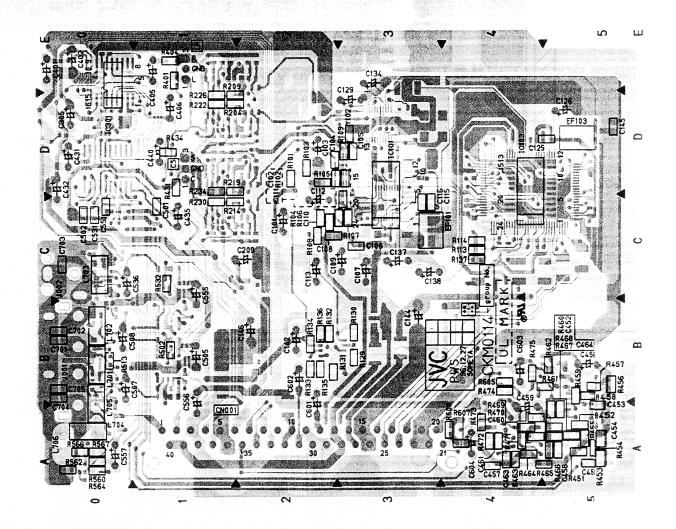


AV-32WZ2EN AV-32WZ2EP AV-28WZ2EN AV-28WZ2EP

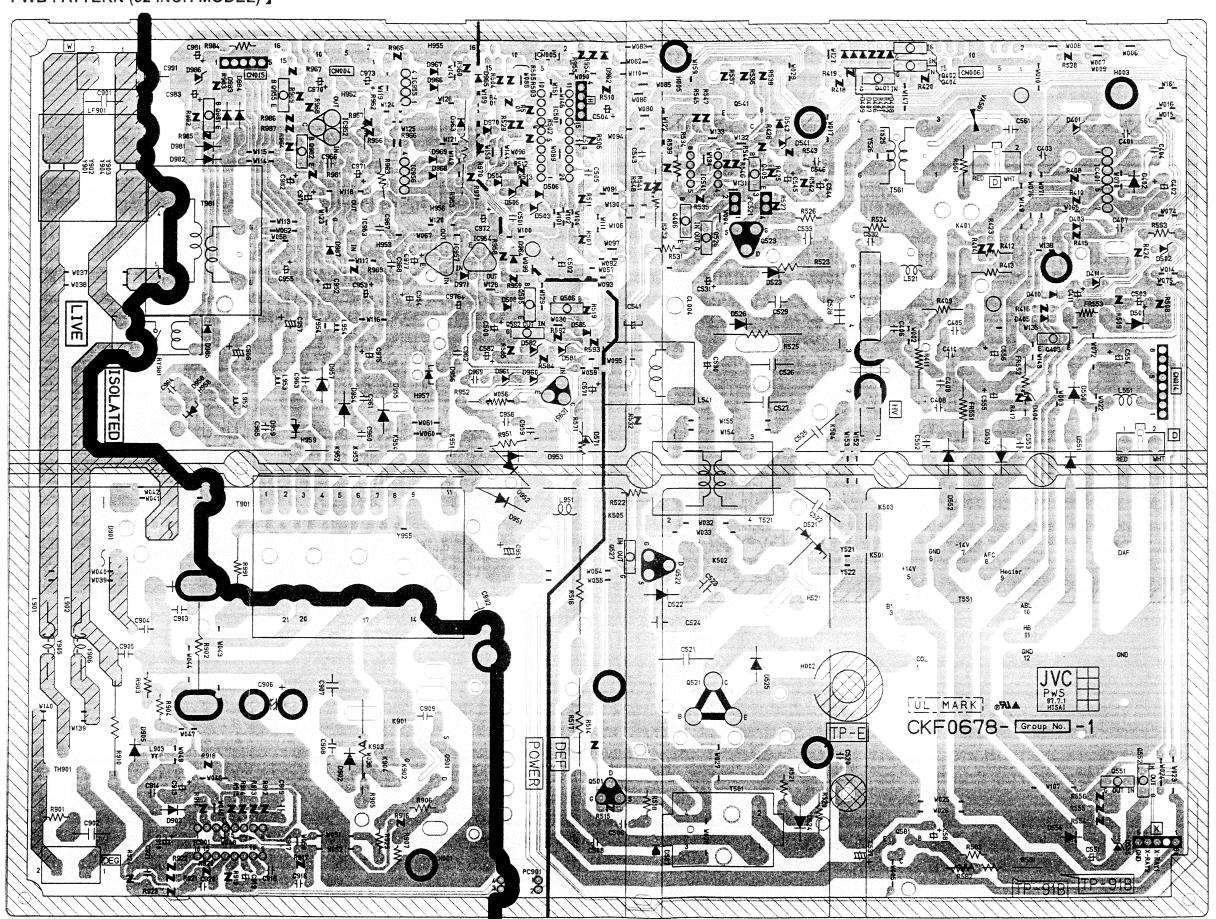
[DOLBY PWB PATTERN (BOTTOM VIEW)]

[DOLBY PWB PATTERN (TOP VIEW)]



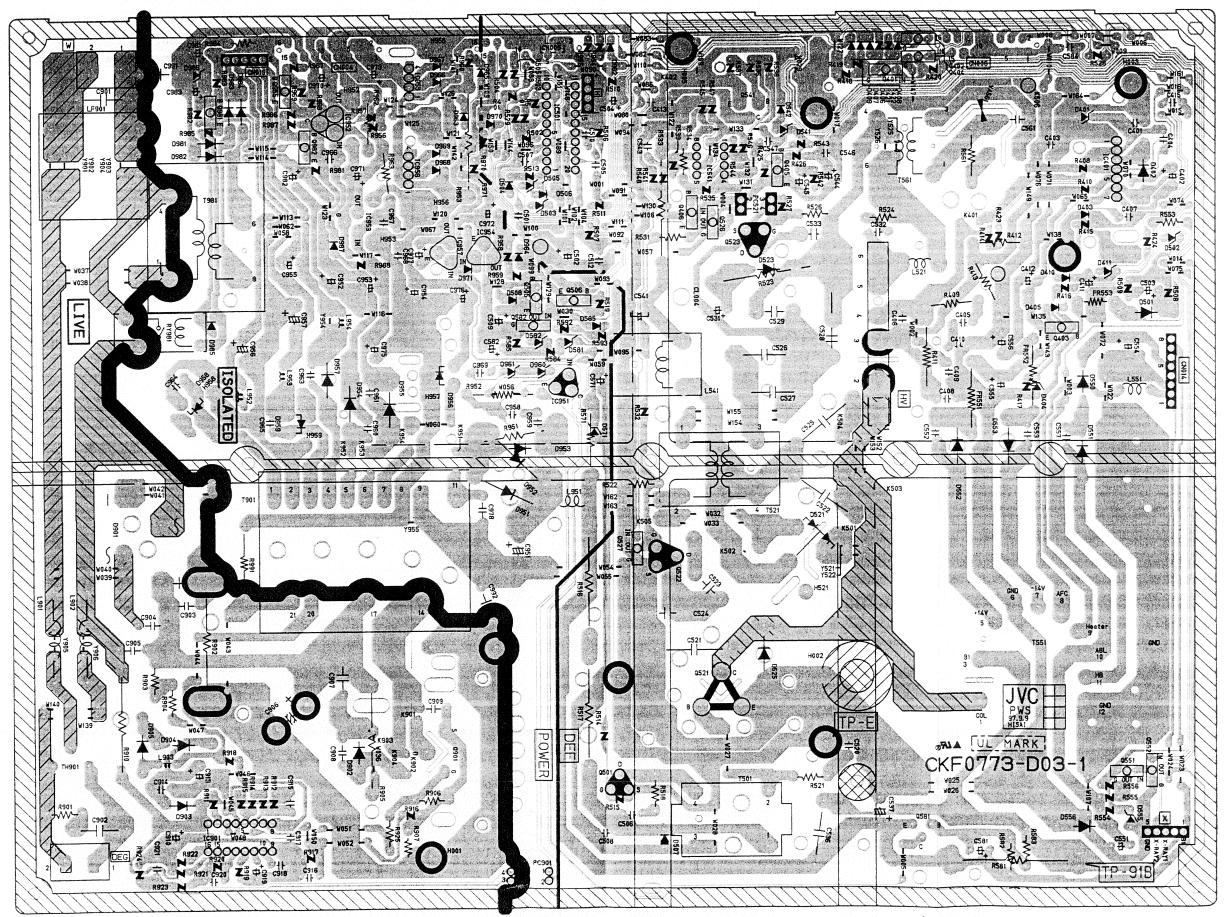


[POWER DEF PWB PATTERN (32 INCH MODEL)]



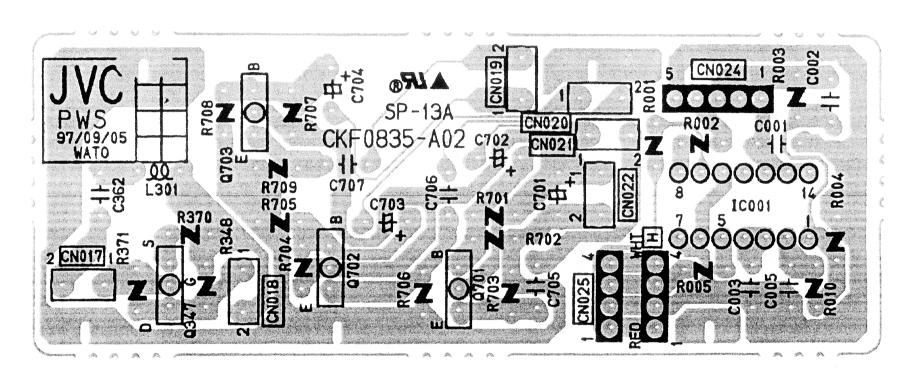
2-49

[POWER DEF PWB PATTERN (28 INCH MODEL)]



2-55

SUB TEXT PWB PATTERN]



SPECIFICATIONS

| Model | AV-32WP2EP | AV-32WZ2EP | AV-28WZ2EP | | | | | |
|--------------------------|---|---|--|--|--|--|--|--|
| TV RF systems | CCIR L B/G, 1 | | | | | | | |
| Colour systems | PAL, SECAM (NTSC 3.58 / 4.43 M | (Hz only in EXT modes) | | | | | | |
| Channels and frequencies | F2-F10, F21-F69, E2-E12, E21-E6 | 59, S1-S41, X, Y, Z, Z+1, Z+2, A-H, nel frequencies 116-172 MHz and 2 | | | | | | |
| Sound-multiplex systems | A2/NICAM (B/G, L) system | | | | | | | |
| Teletext systems | Fastext (United Kingdom system) | / TOP (German system) / WST (sta | andard system) | | | | | |
| Power requirements | AC 220 - 240 V. 50 Hz | | | | | | | |
| Power consumption | Maximum 266 W, Average 161 W, Standby 0.8 W | Maximum 248 W, Average 151 W, Standby 0.8 W | Maximum 242 W, Average 147 W, Standby 0.8 W | | | | | |
| Picture tube size . | Visible area 76 cm (measured diagonally) | | Visible area 66 cm (measured diagonally) | | | | | |
| Audio output | Rated Power output 20 W + 20 W + 5 W | Rated Power output 20 W + 20 W | | | | | | |
| Speakers | 10 cm round × 2, 3.5 cm round × 2, (10 cm × 3 cm oval) × 1 | 10 cm round × 2, 3.5 cm round × 2 | | | | | | |
| External input / output | EXT-1, EXT-2, EXT-3 | 21-pin Euroconnector (SCART) | | | | | | |
| | EXT-4 | VIDEO IN (RCA) AUDIO L / R IN (RCA) S-VIDEO IN (Mini Din 4-pin) | | | | | | |
| | AUDIO OUT | (Variable out (0-1 Vrms), low imported output (RCA) FRONT L/R output (RCA) SURROUND REAR L/R output | | | | | | |
| | Headphone jack (stereo mini jack, dia. 3.5 mm) | | | | | | | |
| Dimensions (W × H × D) | 805 mm × 550 mm × 550 mm | | 716 mm × 489 mm × 496 mm | | | | | |
| Weight | 50.3 kg | 50.2 kg | 36.3 kg | | | | | |
| Accessories | Remote control unit RM-C791 × 1 AAA (R03) dry cell battery × 2 | Remote control unit RM-C793 × AAA (R03) dry cell battery × 2 | 1 | | | | | |

Design and specifications subject to change without notice.

Pictures displayed on the screen using this TV's image-processing functions should not be shown for any commercial or demonstration purpose in public places (tearooms and halls in hotels, etc.) without the consent of the owners of copyright of the original picture sources, as this constitutes an infringement of copyright.



JVC

COLOUR TELEVISION

AV-32WP2EN / EP AV-32WZ2EN / EP AV-28WZ2EN / EP

INSTRUCTIONS

Thank you for purchasing this JVC colour television.
To ensure your complete understanding, please read this manual thoroughly before operation.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

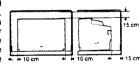
CAUTION:

TO ENSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS UNIT.

- Operate only from the power source specified (AC 220 240 V, 50 Hz) on the unit.
- 2. Avoid damaging the AC plug and power cord.
- Avoid improper installation and never position the unit where good ventilation is unattainable.

When installing this television, distance recommendations

must be maintained between the floor and wall, as well as instalment in a tightly enclosed area or piece of furniture. Adhere to the minimum distance guidelines shown for safe



- operation.

 4. Do not allow objects or liquid into the cabinet openings.
- In the event of a fault, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

When you don't use this TV set for a long period of time, be sure to disconnect the power plug from the AC outlet.

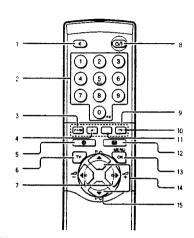
CONTENTS

| Locations of remote control buttons Locations of TV buttons and parts | _ |
|--|-----|
| PREPARATION AND BASIC OPERATION | . 4 |
| SOUND AND PICTURE | 11 |
| OTHER FEATURES | 16 |
| TELETEXT | 18 |
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| OTHER PREPARATION | 22 |
| CONNECTING AMPLIFIRES AND SPEAKERS | 27 |
| TROUBLESHOOTING | 29 |
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RATING INSTRUCTIONS

Locations of remote control buttons

OUTSIDE BUTTONS

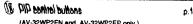


| ① Mute button | p.11 |
|---|---------|
| 2 Number buttons | p.7 |
| 3 ZOOM button | p.13 |
| ④ 3D button | p.20 |
| 5 Information button | p.16 |
| ⑥ TV button | |
| ☼ Volume -/+ buttons | p.8 |
| Standby button | p.6. 8 |
| Colour buttons | |
| 10 PIP button (AV-32WP2EN and AV-32WP2EP only | .) p.14 |
| ① P. BASS button | p.11 |
| ② TV/text button | p.18 |
| ③ OK button | |
| ⊕ PR channel V/Λ buttons | p.7 |
| ① ◀/▶ / ▼/▲ buttons | |
| Teletext/VCR control buttons | p.18 |
| | |

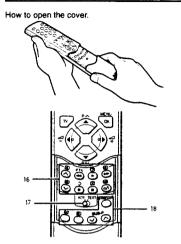
- **W** VCR/TEXT selector switch
 - · When switched to the VCR side, the 16 buttons function as the JVC VCR control buttons.

Notes:

- For details on button functions, see the JVC VCR
- Depending on your VCR, the remote control may not operate perfectly, and may not even control the VCR at all.
- . When switched to the TEXT side, the 16 buttons function

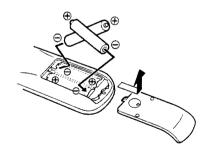


INSIDE BUTTONS



Inserting batteries into your remote

Use two AAA/R03 dry cell batteries. Insert two batteries, observing the
and polarities, inserting the end first.



CAUTION:

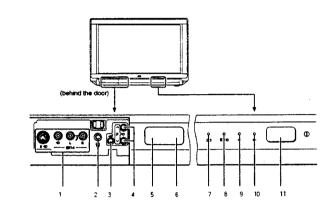
Follow the cautions printed on the batteries.

remote control, not for regular use.

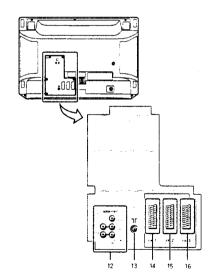
- Battery life is approx. six months to one year, depending on frequency of use.
- If the remote control operates erratically, replace the batteries. We recommend that you use the supplied batteries temporarily and replace them as soon as operation becomes erratic. The supplied batteries are for operational testing of the

Locations of TV buttons and parts

FRONT PANEL



REAR PANEL



| .=- | riodapriorio jaon (ilinii jaon) | p.0 |
|--------------|---|-------------|
| 3 | Volume button (Press this button to display the level indicator. Press the 4 Up/ buttons to change volume while volume level indicator is displayed | down the |
| (4) | Up/down buttons (You can use this button as the buttons of the PR channel. Press 3 Volume button makes this but | sing the |
| _ | function as the Volume -/+ butto | HIS.) |
| <u>(5)</u> | Remote control sensor | |
| 6 | ECO sensor | |
| 7 | 3D lamp | p.20 |
| (8) | ECO lamp | p.12 |
| (9) | Sleep timer lamp | p.16 |
| (10) | Power lamp | p.6, 8 |
| O | Main power button | p.6, 8 |
| (2) | AUDIO OUT terminals | p.27 |
| (3) | Aerial socket | p.4 |
| 14 | EXT-1 terminal | p.4, 22 |
| (5) | EXT-2 terminal | p.4, 22 |
| 16 | EXT-3 terminal | p.4, 22 |

EXT-4 terminals

(2) Headphone jack (mini jack)

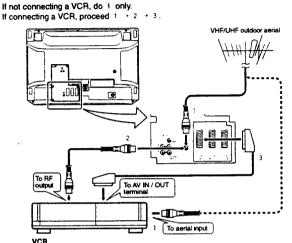
p.4, 22

(AV-32WP2EN and AV-32WP2EP only.)

2

PREPARATION AND BASIC OPERATION

1. Connecting the aerial and VCR



Notes:

- For further details, refer to manuals provided with the devices you are connecting.
- Connecting cables are not supplied.
- You can view video from a VCR without doing 3. For details, refer to the manual provided with your VCR.
- Connect the S-VHS VCR to either the EXT-2 or EXT-3 connector. When the S-VHS VCR is connected to the EXT-1 connector, S-VIDEO input can not be selected.

2. Connecting other external devices

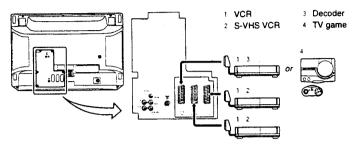
Conditions

This TV set has external device connectors. EXT-1 to EXT-4 to which you can connect a VCR. However, there
are some differences in functions among them. Consult the following table before making connections.

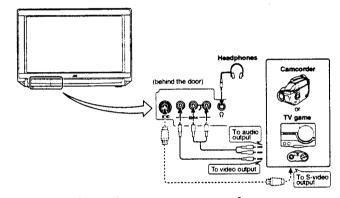
| | EXT-1 | EXT-2 | EXT-3 | EXT-4 (front) |
|-------------|-----------------------------------|--|------------------------------------|---------------|
| VIDEO IN | v | N*1 | | \ \11 |
| VIDEO OUT | √ *2 | ٧,3 | - | - |
| S-VIDEO IN | - | N*1 | ς •• | V *1 |
| S-VIDEO OUT | - | - | - | |
| RGB IN | · · | - | I | |
| AUDIO-L IN | | \ | | N |
| AUDIO-R IN | × | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | ` |
| AUDIO-L OUT | √ •2 | v *3 | - | T - |
| AUDIO-R OUT | v *2 | \'3 | - | |
| Others | Automatic dete Automatic dete | ection and switchirection and switchir | ng of input mode ng of ZOOM mod | |

- 1 Select VIDEO or S-VIDEO mode from the EXT SETTING menu. For details, see page 22 "EXT SETTING".
- 2 Only the TV broadcast is output. Even when a SUB picture is displayed, the output TV broadcast PR channel does not change. However, when another PR channel is being watched in the SUB picture, if the SWAP function is used the output TV broadcast PR channel is switched.
- "3 TV broadcasts or inputs from EXT-1, 3 or 4 can be output. For details, see page 22 "DUBBING"
- Use headphones with a stereo mini jack (dia. 3.5 mm).
- When using headphones, refer to "To listen to the sound using headphones" on page 8.
- For further details, refer to manuals provided with the devices you are connecting.
- · Connecting cables are not supplied.
- For details on how to connect the AUDIO OUT terminals on your TV and external devices such as the audio amplifiers or speakers, see page 27.

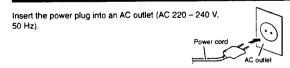
Devices which can be connected to the terminals on the rear panel



Devices which can be connected to the terminals on the front panel



3. Connecting the power cord



4. Turning the power and TV on

Press the Main power button on the TV to turn the power on.

The Power lamp lights red (power on), then green (TV

If the power lamp stays red and does not change to green: Your TV is in the standby mode. Press the Standby button on the remote control to turn your TV on.

 You can also press the PR channel V//A button a number button or the up/down button on the front panel to turn the TV on

5. Initial Settings

- . When the TV is first turned ON, it enters into the initial setting mode, and the JVC logo is displayed.
- Press any button on the remote control.

Language menu appears.

Selecting the on-screen language

You can select your language from ten languages listed on the LANGUAGE menu. The displayed menus on the screen are described in the selected

2. Press V/A button to select ENGLISH.



Press OK button.

English is set for the on-screen display description, and the COUNTRY menu appears.



Automatically allocating stations to PR channels

To view a TV programme, you must first allocate broadcast stations to PR channels. You can automatically allocate up to 99 stations to PR channels PR1 to PR 99 on this TV. Broadcast stations that can be received are automatically determined and set to PR channels.

Note:

. The TV enters into the initial setting mode only once when the TV is first turned ON. If you turn the TV off or exit from the setting menu while performing the initial settings by mistake, you must redo the initial settings, "LANGUAGE" and "AUTO PROGRAM", following the procedures described in page 23.

Note:

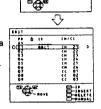
 In this manual, operation procedures are explained in English as the onscreen language is set to ENGLISH If you select "FRANCAIS" from the LANGUAGE selection menu menus are all described in French of course.

Press V/▲ and ◄/> button to select your country, then press blue button.

Broadcast stations are automatically allocated to the PR channels.

The EDIT menu is displayed after completed the allocation.

. If you want to edit PR channels or allocate a station to PR0 (AV) channel, see page 24 "EDIT/MANUAL" for procedural description.



· If you want to quit automatic allocation in the middle, press the TV button.

The procedure is complete.

Press the TV button to exit the menu.

6. Viewing a television programme

Select a PR channel.

Selection



Press the PR channel V/∧ button

Direct channel selection

· Press the corresponding number buttons.



Example: To select channel 6, press "6" To select channel 12, press "1" and "2"



channel (PR 0 channel)

Notes:

· Enter "0" when selecting an AV

. If your TV is AV-32WP2EN or AV-32WP2EP, the MULTI-PICTURE function can be used to select a PR channel. For details, refer to "MULTI-PICTURE" on page 15.

. If the nicture is not clear or no colour

appears, change the colour system

manually (see page 11 for details).

To use the PR LIST to select a PR channel



- 1. Press Information button repeatedly to select PR LIST. The PR LIST appears.
- · To exit the PR LIST, press TV button.

channel. Press ▶ button to view the next page of the PR LIST.

- 2. Press V/▲ button to select a PR
- previous page of the PR LIST.



Note:

 The fi mark will appear on the PR channel when the CHILD LOCK setting is on (see page 17)



3. Press OK button.

2. Press the Volume -/+ button.



The Volume level indicator appears and the volume changes as you press the Volume -/+



Turning the TV and power off

1 Press the Standby button to turn the TV off.

The Power lamp changes from green to red.

The TV enters standby mode.

2. Press the Main power button on the TV to turn the main power off.

The Power lamp goes off.

The MENU appears.

| - 24 | - | |
|------|---|--|
| | | |

 To save energy, we recommend that you turn the main power off if you do not plan to use your TV for a long time.

To listen to the sound using headphones

Condition:
Connect headphones to the TV.

1. Press OK button.

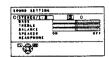
MENU CX



2. Press ▼/▲ button to select SOUND SETTING, then press OK button.

The SOUND SETTING menu appears.





3. Press ▼/A button to select HEADPHONE, then press OK button.

The HEADPHONE menu appears.



| HE ADPHORE | | | _ |
|----------------------|------------|------|----|
| DIVOLUNE | n 🗀 | Home | 25 |
| OUTPUT TV SPEAKER | RAIM OH | *** | |
| tree an | | | |

4. Press V/A button to select TV SPEAKER, then press



| OUIPUT HAIN SUB OUIY SPEAKER ON OIF | NEADPHONE VOLUME | 0 [| DECEMBER 21 |
|--|---------------------|-----|-------------|
| OUTPUT HATE SUB- | AGLOME | ., | |
| OUT SPEAKER ON 1977 | QUIPUI | | 508 |
| | OLIV SPEAKER | OR | 1811 |

N: The sound from the TV speakers is not turned off even when the headphones are connected.

OFF: The sound from the TV speakers is turned off when the headphones are connected.

Note:

 The sound output from the AUDIO OUT terminals can not be turned off.

Press V/A button to select VOLUME, then press I button to adjust the volume of the headphones.



| HE ADPHORE | | |
|----------------------|------|------------|
| OVELURE | o == | 25 |
| OUTPUT TV SPEAKER | 841# | eus off |
| 00,000 | | |

6 Press OK button.

This completes the setting

To select a channel without using the remote control

You can also use the buttons on the front panel of the TV.

1. Press the Up/down button to turn your TV on.



The Power lamp changes from red to green.

2. Press the Up/down button to select the PR channel.

3. Adjust the volume.



- Press the Volume button.
 The volume level indicator appears.
- Press the Up/down button while the volume level indicator is displayed.

| ÐŤ | o | tum | off | your | TV, | press | the | Main | power | button |
|----|---|-----|-----|------|-----|-------|-----|------|-------|--------|
|----|---|-----|-----|------|-----|-------|-----|------|-------|--------|

The Power lamp goes off.

Note:

 If your TV does not turn on, press the Main power button, and then press the Up/down button again.

Note

 PR channel selection is not available while the volume level indicator is displayed.

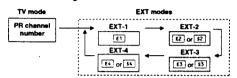
PREPARATION AND BASIC OPERATION

Viewing images from external devices

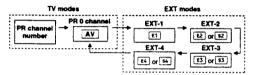
Repeatedly press the 0 button to select the EXT terminal.

The current selection appears, and disappears after several seconds

When a station is not registered to the PR 0 (AV) channel, pressing the 0 button changes the selection as follows:



When a station is registered to the PR 0 (AV) channel, pressing the 0 button changes the selection as follows:



TV mode:

Shows images input from an external device (such as a VCR) or TV aerial connected to the aerial socket of your TV.

EXT modes:

Shows images input from an external device (such as a VCR) connected to the selected EXT terminal.

 To use S-Video mode to view input from an S-VHS VCR, see "To select S-VIDEO input for a terminal" on page 22. When selecting EXT-2.EXT-3 or EXT-4 input terminals as S-VIDEO input, E2.E3 or E4 changes to S2.S3 or S4in the display.

- If the picture is not clear or no colour appears, change the colour system manually (see page 11).
- When selecting an EXT terminal with no input signal, the EXT number and ID become fixed on screen.

SOUND AND PICTURE

MUTE

You can mute the volume to 0 instantly. This is convenient when answering the phone or when receiving visitors.

1. Press (Mute).

The sound is muted.



To restore the sound:
Press the Mute button again.

POWER BASS

You can enjoy richness and fullness of the bass sound.

1. Press P. BASS.

The POWER BASS turns on.

P.BASS

POWER BASS ON

To cancel the function: Press the P. BASS button again.

POWER BASS OFF

MULTI SOUND

You can select the multi sound mode for stereo broadcast programmes and bilingual programmes.

Note:

 The MULTI SOUND function has no effect on programmes other than A2 or NICAM broadcast programmes.

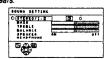
1. Press OK.

The MENU appears.



 Press ▼/▲ to select SOUND SETTING, then press OK.

The SOUND SETTING menu appears.



3. Press ▼/▲ to select STEREO / I • II.

Notes

- The multi sound mode display is different from the broadcast programme.
- The multi sound function does not work in EXT modes.
 The STEREO / IHI does not appear in SOUND SETTING.

4. Press **4/**▶ to select a multi sound mode.

- O : Stereo sound
 I : Bilingual I (Sub I)
- I : Bilingual II (Sub II)
- () : Normal sound

5. Press OK.

This completes the setting.

Note:

 When you display the current PR channel number, the current multi sound mode appears for approximately 3 seconds

TINT

You can choose from among three TINT modes.

1. Press OK.

The MENU appears.

 Press ▼/▲ to select PICTURE SETTING, then press OK.

The PICTURE SETTING menu appears.

3. Press V/▲ to select TINT.



Press ◄/▶ to select a tint mode.

COOL:

A cool white colour base with a boost in the colour and contrast levels. Creating a more vivid picture.

WARM:

Use this mode when viewing film programmes.

NORMAL:

A normal white colour base with no boost in the colour or contrast levels.

5. Press OK.

This completes the setting

COLOUR SYSTEM

The colour system is automatically selected, but if the picture is not clear or no colour appears, select the colour system manually.

1. Press OK.

The MENU appears.

 Press ▼/▲ to select PICTURE FEATURES, then press OK.

The PICTURE FEATURES menu appears.



 Press ▼/A button to select COLOUR SYSTEM, then press OK.

The COLOUR SYSTEM menu appears.



 Press ♥/▲ button to select MAIN or SUB.

> If your TV is not AV-32WP2EN or AV-32WP2EP, the SUB will not appear. So you can skip this operation.

MAIN:

You can select the colour system of MAIN picture.

SUB:

You can select the colour system of SUB picture.

Press ◄/▶ to select the appropriate colour system.

PAL:

PAL system.

SECAM: SECAM system.

NTSC3.58:

NTSC 3.58 MHz system.

NTSC4.43:

NTSC 4.43 MHz system.

AUTO:

Automatic colour system selection.

- Auto may not function properly depending on signal quality. If the picture is abnormal in AUTO mode, select another colour system manually.
- When in TV mode (PR 1 to PR 99), you cannot select AUTO, NTSC 3.58 or NTSC 4 43
- When in TV mode (PR 0), you cannot select NTSC 3.58 or NTSC

6. Press OK.

This completes the setting.

PICTURE/SOUND ADJUSTMENT

You can adjust the picture and sound as you like.

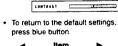
To adjust the picture

- 1. Press OK.
- The MENU appears.
- 2. Press V/A to select PICTURE SETTING, then press OK.

The PICTURE SETTING menu appears.



3. Press V/A to select an item, and press 4/▶ to adjust it.



| • | nem | <u> </u> |
|---------|------------------|----------|
| Lower | CONT. | Higher |
| (| picture contrast | t) |
| Darker | BRIGHT | Brighter |
| (p | icture brightnes | is) |
| Softer | SHARP | Sharper |
| (p | icture sharpnes | is) |
| Lighter | COLOUR | Deeper |
| • | (picture colour) | |
| Reddish | HUE | Greenish |
| | (picture hue) | |

You can adjust the HUE (picture hue) only when the colour system is NTSC 3.58 or NTSC 4.43.

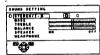
4. Press OK.

This completes the setting.

To adjust the sound

- 1. Press OK.
 - The MENU appears.
- 2. Press V/A to select SOUND SETTING, then press OK.

The SOUND SETTING menu appears.



Note:

When DOLBY* PRO LOGIC or PRO LOGIC 3D-PHONIC is selected in DIGITAL SURROUND menu BALANCE and SPEAKER do not appear

Manufactured under license from Dolby laboratories Licensing

"Dolby", the double-D symbole and "Pro Logic" are trademarks of Dolby Laboratories Licensing Corporation.

3. Press ▼/▲ to select an item, and press **◄/▶** to adjust it.

| < | Item | . |
|--------|----------------|----------|
| Weaker | BASS | Stronger |
| (lov | requency so | und) |
| Weaker | TREBLE | Stronger |
| (hig | h frequency so | wnd) |
| Left | BALANCE | Right |
| | audio balance | 1) |

SPEAKER ON/OFF:

Use this function if you connect an audio amplifier and front speakers to your TV. If you set this function to OFF. sound is no longer output from the TV's speakers. For details, see "To use 2 external speakers* on page 27.

4. Press OK.

This completes the setting.

FCO MODE

When you set ECO mode to ON, the screen contrast is automatically adjusted to a setting suitable for the brightness of your room. This reduces eve strain and the power consumption of the TV.

1. Press OK.

The MENU appears.

2. Press V/▲ to select PICTURE SETTING, then press OK.

> The PICTURE SETTING menu appears.

Press ▼/A to select ECO.



- 4. Press **4/**▶ to select ON. OFF.
- 5. Press OK.

This completes the setting.

. If you turned on ECO mode, the ECO lamp lights.

NATURAL SCAN

When you set NATURAL SCAN to ON, you can remove the horizontal line vibration on the screen so improving picture stability further.

1. Press OK.

The MENU appears.

2. Press V/A to select PICTURE FEATURES, then press OK.

The PICTURE FEATURES menu appears.

3. Press ▼/▲ to select NATURAL SCAN.



- 4. Press **4/**▶ to select ON,
- 5. Press OK.

This completes the setting.

DIGITAL VNR

When you set DIGITAL VNR to ON, you can reduce the noise on the screen so improving picture quality

1. Press OK.

The MENU appears.

2. Press V/A to select PICTURE FEATURES, then press OK.

The PICTURE FEATURES menu annears.

3. Press V/▲ to select DIGITAL VNR.



- 4. Press **◄/**▶ to select ON,
- 5. Press OK.

This completes the setting.

ZOOM

Select a ZOOM mode to change the picture format. You can enlarge the picture to fill the wide TV screen (16:9 aspect ratio). In addition, you can stretch a normal picture (4:3 aspect ratio) to fill the wide TV screen

Notes:

- The picture format information of the present broadcasting programme may be received as WSS (Wide Screen Signalling). When AUTO mode is selected for ZOOM mode and the WSS signal is received, this TV automatically selects the optimum ZOOM mode corresponding to the WSS signal. However, in the case of weak WSS signal reception, this function may not work correctly. In this case, select an optimum ZOOM mode manually.
- If the EXT-1, EXT-2 or EXT-3 terminal's input is from a picture signal with a 16:9 aspect ratio picture format, the ZOOM mode may automatically changes to FULL mode. This is because the TV detects an identification signal which is not an WSS signal.

Manual ZOOM selection

vou can select a disired ZOOM mode manually.

1. Press ZOOM repeatedly to select a ZOOM mode.

The picture expands.

REGULAR mode:

Use to view a normal picture (4:3 aspect ratio) unchanged.



PANORAMIC mode:

Stretches the left and right sides of a normal picture to fill the screen, in a way that does not appear unnatural







in PANORAMIC mode, the top and bottom of the picture are slightly cut off.

16:9 ZOOM mode:

Use to expand a wide picture (16:9 aspect ratio).





14:9 ZOOM mode:

Use to expand a picture with a 14:9 aspect ratio





(14:9 ZOOM)

16:9 ZOOM SUBTITLE mode: Use to expand a picture with a 16:9

aspect ratio having subtitles at the bottom of the screen.





(16:9 ZOOM SUBTITLE)

FULL mode:

Uniformly stretches the left and right sides of a normal picture (4:3 aspect ratio) to fill the wide TV screen.





For pictures with a 16:9 aspect ratio that have been squeezed into a normal picture (4:3 aspect ratio). select FULL mode to restore their original dimensions

To move the picture vertically:

If you cannot see subtitles at the bottom of the screen, or if the top or bottom is cut off, move the picture vertically.

Note:

You cannot move the picture vertically in AUTO, REGULAR and FULL mode.

Press ZOOM.

The current ZOOM mode is displayed.



2. Before the display disappears, press ▼/▲ to move the picture up or down.

Note:

If you change the ZOOM mode. the picture returns to its default

Automatic ZOOM selection (AUTO mode)

You can set your TV to automatically select the optimum ZOOM mode to suit the picture format.

1. Press ZOOM repeatedly to select AUTO.

Your TV automatically selects the optimum ZOOM mode to suit the current programme's picture format.

Note:

This function may not work correctly depending on the programme. In this case, select the optimum ZOOM mode

(Continued to the next page)

AV-32WZZEN AV-32WZZEN AV-28WZZEN AV-28WZZEN

To preset a ZOOM mode for the normal picture:

You can preset one of three ZOOM modes, REGULAR, PANORAMIC or 14:9 ZOOM, as the ZOOM mode for the normal picture (4:3 aspect

1. Press OK.

The MENU appears

2. Press V/▲ to select PICTURE FEATURES, then press OK.

The PICTURE FEATURES menu appears.

3. Press ▼/▲ to select 4:3 AUTO ASPECT, then press

The 4:3 AUTO ASPECT menu appears.

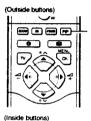


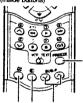
4. Press V/A to select a ZOOM mode.

5. Press OK.

This completes the setting.

PIP (AV-32WP2EN, AV-32WP2EP only)





- PIP button
- FREEZE button
- Multi button
- Swap button
- SUB-P V// button

BASIC OPERATION

You can select two types of PIP picture mode.

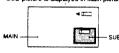
1. Press PIP repeatedly to select a PIP mode.

> Two pictures are displayed in the same time.

Twin pictuers mode: MAIN-picture is displayed on the left hand and SUB-picture is displayed on



Picture in picture mode: SUB-picture is displayed in Main picture



2. Press SUB-P V/A to select the SUB-picture's PR channel or EXT mode.

> To clear the SUB-picture: Press the PIP button again

- The PR channel or EXT mode image which is the same as the MAIN-picture can not be selected
- The movement of the Sub-picture image is not as smooth as that of the MAIN-picture image.
- If the MAIN-picture image signal condition is bad, the SUB-picture image may be disordered. If the MAIN-picture image signal condition is improved, the SUBpicture image also improves.
- If the picture standard of the MAIN-picture and SUB-picture are different, the top and bottom of one of them may be missing.
- If an external device is operated. the SUB-picture may disappear. If this happens, press the PIP button once more and redisplay the SUBpicture
- If the SWAP button is pressed when the image from the external

icture, the same image is displayed in both the MAIN picture and SUB-picture. If the SWAP button is pressed once more, the previous state is returned to. In the Twin pictures mode, a horizontal line is displayed at the top of the screen. This is normal and is not a multimetion

To change the position of SUB-picture in Picture in picture mode:

You can select the one of four positions of the SUB-picture in Picture in picture mode.

1. Press OK.

The MENU appears.

Press ▼/▲ to select PICTURE FEATURES, then press OK.

The PICTURE FEATURES menu appears.

3. Press ♥/▲ to select PIP, then press OK.

The PIP menu appears.



Press ▼/▲ to select PIP POSITION, then press **◄/▶** to select the position.

5. Press OK.

The menu disappears.

To listen to the sound of the SUB-picture

While llistening to the sound of the main picture on the speakers, you can listen to the sound of SUBpicture on your headphones.

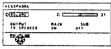
1. Press OK.

The MENU appears.

2. Press V/A to select SOUND SETTING, then press OK. The SOUND SETTING menu appears

3. Press V/A to select HEAD-PHONE, then press OK.

The HEADPHONE menu appears.



4. Press V/A to select TV SPEAKER, then press 4/▶ to select ON or OFF.

Main pisture sound from speakers while listening to the sound on your headphones OFF.

No sound from speakers

5. Press V/A to select OUTPUT. then press
/▶ to select SUB.

You can listen to the sound of MAIN picture on your headphones

Press ▼/A to select VOLUME. then press to adjust the volume of the headphones.

7. Press OK.

The menu disappears.

Motes:

- When the SUB-picture is in TV mode, the SUB-picture sound is monaural only.
- The Multi sound function does not work for the SUB-picture sound.
- Neither any of the surround sound functions or the POWER BASS function work for the SUB picture

MULTI-PICTURE

The PR channel and EXT mode images can be displayed as still pictures on the outside of the MAINpicture, and the image which you want to see can be selected from these still pictures and seen as the MAIN-picture.

1. Press the Multi button.

The PR channel and EXT mode images are displayed in the channel number order. Only the image which is displayed last is left as a moving picture. The other images change to still pictures.

Note

The MAIN-picture PR channel number or EXT mode number is skipped



5-pictures multi

In order to display the next PR channel or EXT mode image: Press the Multi button again

To clear the Multi-pictures: Press the TV button

Press the ▼/A button or SUB P V/A button and select the PR channel or EXT terminal image that you want to see.

The selected image changes from a still picture to a moving picture.

3. Press OK.

The Multi-pictures disappear and the MAIN-picture image changes to the selected PR channel or EXT terminal image

To select the multi-picture style

You can select one of two multipicture's styles

1. Press OK.

The MENU appears.

2. Press ▼/▲ to select PICTURE FEATURES, then press OK.

The PICTURE FEATURES menu appears.

3. Press V/A to select PIP. then press OK.

The PIP menu appears.



4. Press V/A to select MULTI-PICTURE, then press 4/▶ to select a multi-picture's stvie.

5. Press OK.

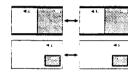
The menu disappears.

SWAP

You can swap MAIN and SUB-pictures

1. Press the Swap button.

Each time you press the Swap button, the MAIN picture and SUB-picture swap.



Notes

If the SWAP button is pressed when the image from the external decoder is displayed in the MAIN picture the same image is displayed in both the MAIN picture and SUR picture. If the SWAP button is pressed once more, the previous state is returned to

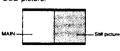
When another PR channel is being watched in the SUB picture if the SWAP function is used the TV broadcast PR channel, which is output from the EXT-1. EXT-2 or EXT-3 terminal, is switched

FREEZE

You can view the MAIN-picture's frozen image as the SUB-picture.

1. Press FREEZE.

The main picture's frozen image (still picture) is displayed as the SUB-picture.



To cancel the FREEZE function: Press the FREEZE button again

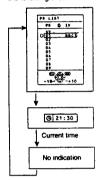
OTHER FEATURES

INFORMATION

You can display the PR LIST or the current time.

1. Press (Information) repeatedly.

> The display changes cyclically in the following order.



About PR LIST:

· Ten positions including the currently selected PR channel will be displayed as a list.

Press ▼/▲ / ◀/▶ to select the desired PR channel. For details see page 7.

About the current time display:

This TV uses teletext data to determine the current time.

- . If the TV has not received a station that has teletext data since it was turned on, the time display is blank. To view the current time, select a station that is broadcasting teletext data. As long as you do not turn off the TV, then even if you select other stations, the time will still be displayed.
- When watching videos, the wrong current time is sometimes displayed.

SLEEP TIMER

You can set the TV to automatically turn off after a specified period of

- The SLEEP TIMER does not turn off the Main power
- 1. Press OK.
- The MENU appears.
- 2. Press W/A to select FEATURES, then press OK. The FEATURES menu appears.



3. Press V/A to select SLEEP TIMER, then press OK.

The SLEEP TIMER menu appears.



4. Press

√ to select a period of time.

> You can set the period of time a maximum of 120 minutes in 10 minute increments

Turns off the SLEEP TIMER.

5. Press OK.

. The Sleep timer lamp lights if you set the SLEEP TIMER.

To display the remaining Sleep timer

Perform steps 1 to 3 to display the SLEEP TIMER menu, and press OK button when you finish checking the

To turn off the Sleep timer:

Perform steps 1 to 3 to display the SLEEP TIMER menu, press ◀ button to select "OFF", and then press OK button.

· The Sleep timer lamp goes out.

One minute before the SLEEP TIMER turns off the TV, "GOOD NIGHT!"

BLUE BACK

When viewing a PR channel with no or poor reception, or if there is no input from an external device, you can mute the sound and change the picture into a blue picture.

1. Press OK.

The MENU appears.

2. Press V/A to select FEATURES, then press OK. The FEATURES menu appears



3. Press ▼/▲ to select BLUE BACK.



- Press
 I to select ON or OFF.
- 5. Press OK.

This completes the setting

CHILD LOCK

You can lock some PR channels to prevent your children from watching

To set the CHILD LOCK

1. Press OK.

The MENU appears.

2. Press ▼/▲ to select FEATURES, then press OK.

The FEATURES menu appears.



3. Press V/A to select CHILD LOCK, then press 0 button.

The SET ID NO menu appears.



- 4. Enter the ID number.
 - Press V/A to select a number. 2. Press **◄/▶** to move the cursor.
- 5. Press OK.

The CHILD LOCK menu appears.



6. Press V/▲ to select a PR channel, then press blue button.

The selected PR channel is locked



- . To cancel the CHILD LOCK: Press blue button again.
- Repeat step 6 to lock all PR channels which you want to lock
- 7. Press OK.

This completes the setting.

Notes:

- You cannot select a locked PR channel using the PR channel V/A buttons. Even if you can select a locked channel
- and display it, you can not view the programme of the locked channel.

To view a locked PR channel

- 1. Select a locked PR channel.
 - . Use the number buttons to select the PR channel.

The locked channel is displayed



2. Press [] (Information). The ID NO. input menu appears.



3. Press the number buttons to enter the ID number.

> You are now viewing the locked PR channel.

> If you forget the ID number: Perform steps 1 to 3 of "To set the CHILD LOCK". After you confirm the ID number, press the TV button to exit the

DEMONSTRATION

The demonstration runs automatically and introduces the menus of this TV's main features.

1. Press OK.

The MENU appears.

2. Press V/▲ to select DEMO, then press OK.

The demonstration begins

. To stop the demonstration, press any button on the remote control.

INDEX

You can go to the desired function's menu directly from this INDEX menu.

1. Press OK.

The MENU appears.

2. Press V/A to select INDEX. then press OK.

The INDEX menu appears.



3. Press V/▲ to select the function you want to use, then press OK.

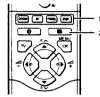
Your selected function's menu or the menu which includes your selected function appears.

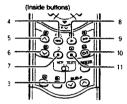
. To return to the MENU, press the Information button.

TELETEXT

If you have trouble receiving teletext broadcasts, consult your local dealer or the teletext station.

(Outside buttons)





- Colour buttons
- TV/text button
- 3 VCR/TEXT selector switch
 - · When this switch is set to the TEXT side, the following buttons function as the teletext control button.
- 4 MODE button
- 5 HOLD button
- SUB PAGE button
- STORE button
- REVEAL button
- 9 SIZE button
- 10 INDEX button
- 11 DISPLAY CANCEL button

BASIC TELETEXT OPERATION

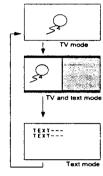
You can view three types of teletext broadcasts on the TV: Fastext, TOP and WST. The TV automatically recognizes the type of teletext broadcast.

Condition:

The VCR/TEXT selector switch must already be set to the TEXT side.

1. Select a channel with a teletext broadcast.

2. Press (TV/text).



- If your TV is not AV-32WP2EN or AV-32WP2EP, the TV and Text mode can not be selected
- The movement of the TV image in the TV and text mode is not as smooth as that in the TV mode

3. Select a page number.

Browse:

Press the PR channel V/A button on the remote control

Direct selection:

Press the number buttons to enter a three-digit page number

Colour button selection:

Press a colour button to select the corresponding page number on the bottom line of the screen.

- Category names of teletext pages may appear instead of page numbers.
- In principle, ZOOM mode is fixed to FULL mode when you view Teletext programmes.
- Some Telefext programmes display a mixture of regular TV programmes and Teletext information. When viewing these programmes, ZOOM mode returns to the mode you selected before you started viewing Teletext programmes. With the ZOOM mode the Teletext information may not be displayed in the correct position. If this happens. press the TV/Text button to cancel the Text mode, then press the ZOOM button to change the ZOOM mode to the PANORAMIC mode or FULL mode.

 To return to TV mode, press the TV/text button repeatedly.

- You can also return to TV mode by pressing the TV button.
- None of the MENU operations are possible in the Text mode. Perform the MENU operation after pressing the TV/
- Text button to cancel the Text mode. In the TV and text mode, a horizontal line is displayed at the top of the screen. This is normal and is not a malfunction.

DISPLAY CANCEL

You can search for a teletext page while watching TV.

- 1. Select a teletext page.
 - The TV searches for a teletext page.

2. Press DISPLAY CANCEL.

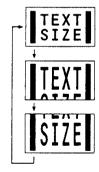
The TV programme appears. When the TV finds the teletext page. its page number appears in the upper left of the screen.

3. Press 📵 (TV/text) when the page number is on the screen.

SIZE

You can double the height of the teletext display.

1. Press SIZE repeatedly.



HOLD

You can hold a teletext page on the screen for a desired length of time. even while several other teletext pages are being received.

1. Press HOLD.

s displayed in the upper left of the screen, and the teletext page is held on the screen.



To release hold mode: Press HOLD button again.

INDEX

Just press INDEX button to return to the index page.

1. Press INDEX.

Fastext/TOP/WST: Returns to page 100 or a previously

specified page LIST mode:

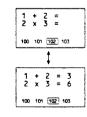
Returns to the page number displayed in the lower left area of the screen.

REVEAL

Some teletext pages include hidden text (such as answers to a quiz).

1. Press REVEAL.

Each time you press REVEAL button, text is hidden or revealed.



LIST MODE

If you store the numbers of teletext pages you view often, you can quickly call up a desired teletext page whenever you like.

Note:

You can store up to 64 pages in memory. You can store four pages in each channel from 1 to 15 (60 pages), and four pages that are the same for al channels above channel 15 (4 pages).

To store the page numbers

1. Press MODE to engage LIST mode.

> Stored page numbers are displayed at the bottom of the screen.

2. Press a colour button, then enter the number of the teletext page.

To assign other pages to remaining colour buttons, repeat this operation.

3. Press and hold STORE.

The four page numbers blink white to indicate that they are stored in

To call up a stored page

1. Press MODE to engage LIST mode.

Stored page numbers are displayed at the bottom of the screen.

To release LIST mode: Press MODE button again.

2. Press a colour button to which a page has been assigned.

SUB PAGE

Some teletext pages include subpages that are automatically displayed. You can hold any subpage, or view it at any time.

- 1. Call up a teletext page with sub-pages.
- 2. Press SUB PAGE.

Sub-page numbers are displayed at the left of the screen.

Background colour of the subpage number is yellow: This is the number of the sub-page which is currently being displayed.

Background colour of the subpage number is white:

These are the numbers of the subpages which can be displayed.

Background colour of the subpage number is blue or red: These are the numbers of subpages which have not been sent and can therefore not be displayed.

3. Press ▼/A button to select a sub-page number.

SURROUND SOUND

DOLBY PRO LOGIC 3D-PHONIC

You can enjoy the ambiance of Dolby Surround encoded programmes.

Condition:

Before performing the procedure. disconnect headphones from the TV.

- This function works only with Dolby Surround encoded programmes.
- When operating this function, the TV's 3D lamp fights up.
- This function does not work correctly when listening to the sound with hearinhones
- 1. Press OK.
 - The MENU appears.

2. Press V/A to select DIGITAL SURROUND, then press OK.

The DIGITAL SURROUND menu appears, showing the currently active function.

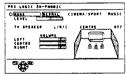


3. Press V/A to select PRO LOGIC 3D-PHONIC.

To cancel the function: Select SURROUND OFF, then press the OK button

4. Press ▶.

The PRO LOGIC 3D-PHONIC menu appears.



- Press ▼/A to select MODE.
- 6. Press **4/**▶ to select the desired mode.

NORMAL:

For normal programmes CINEMA/SPORT:

For cinema and aborts programmes

For music programmes

To adjust the effect level: Press the V/▲ button to select I FVFI then press the 4/▶ button to adjust the effect level.

To adjust the volume level of each speaker:

Press V/▲ button to select LEFT. CENTRE or RIGHT, then press the ■/► button to adjust the volume

Note:

Since models other than AV-32WP2EN and AV-32WP2EP do not have a centre speaker builtin to the TV. CENTRE can not be selected However when 2 external speakers are being used the TV speakers can be used as the centre speaker, so CENTRE can be selected

TV SPEAKER:

This setting is only changed when 2 external speakers are being used. For details, refer to "To use 2 external speakers" on page 27.

When not using external speakers leave the TV SPEAKER setting as L/R/C (L/R in the case of models other than AV-32WP2EN and AV-32WP2EP) Otherwise sound may not come out of the TV speakers or the sound may become monaural

7. Press OK.

Note:

If, while using this function, you connect headphones to your TV, the 3D HEADPHONE function (see next page) activates automatically. However, if SPEAKER is set to ON in the HEADPHONE menu, the 3D HEADPHONE function is not activated

To turn on/off DOLBY PRO LOGIC 3D-PHONIC with one touch

Press 3D.

DOLBY PRO LOGIC 3D-PHONIC turns on.



PRO LOGIC 30-PHOBIC

Note:

If 3D HEADPHONE appears, disconnect the headphones from To cancel the function: Press the 3D button again.

SURROUND OFF

To return the previous surround function: Press the 3D button twice.

DIGITAL SURROUND

You can enjoy any one of the four Digital Surround function.

Condition:

- Before performing the procedure. disconnect headphones from the TV.
- 1. Press OK.

The MENU appears.

2. Press V/A to select DIGITAL SURROUND, then press OK.

The DIGITAL SURROUND menu appears, showing the currently active function.



3. Press V/A to select the desired function.

DANCE CLUB:

For the atmosphere of a dance club CONCERT HALL:

For the atmosphere of a concert hall STADIUM:

For the atmosphere of a stadium

HYPER SOUND: To give monaural sound the spacious

feeling of stereo sound

To cancel the function: Select SURROUND OFF.

4. Press OK.

Notes:

- Only HYPER SOUND works well with monaural sound programmes.
- HYPER SOUND does not work well with stereo sound programmes.
- If, while using this function, you connect headphones to your TV. Headphone Surround (see next page) activates automatically. However, if SPEAKER is set to ON in the HEADPHONE menu. the HEADPHONE SURROUND function

HEADPHONE SURROUND

You can enjoy surround sound on your headphones. You can enjoy any one of the four Headphone surround functions.

Condition:

- Before performing this procedure, connect headphones to the TV.
- 1. Press OK.

The MENU appears.

2. Press V/A to select HEADPHONE SURROUND. then press OK.

The HEADPHONE SURROUND menu appears, showing the currently active function.



If HEADPHONE SURROUND does not appear in the MENU, set SPEAKER in the HEADPHONE menu to OFF. For details, refer to "To listen to the sound using headphones" on page 8.

3. Press V/A to select the desired function.

3D HEADPHONE: For a broad, atmospheric sound

DANCE CLUB: For the atmosphere of a dance club

CONCERT HALL: For the atmosphere of a concert hall

STADIUM: For the atmosphere of a stadium

HYPER SOUND:

To give monaural sound the spacious teeting of stereo sound

To cancel the function: Select SURROUND OFF.

4. Press OK.

Note.

HYPER SOUND does not work well with stereo sound programmes.

To turn the 3D HEADPHONE on/off with one touch

1. Press 3D.

3D HEADPHONE turns on.





Note:

If PRO LOGIC 3D-PHONIC is still displayed, set SPEAKER in the HEADPHONE menu to OFF.

To cancel the function: Press the 3D button again.

To return the previous surround function:

Press the 3D button twice.

DOLBY PRO LOGIC SURROUND

You can also use Dolby Pro Logic Surround sound with 4 or 5 speakers. If you wish to use this system, additional amplifiers and speakers are required. For details, see "To use 4 or 5 speakers" on page 28.

- Before performing the procedure. disconnect headphones from the TV.
- This function works only with Dolby Surround encoded programmes.
- 1. Press OK.

The MENU appears.

2. Press ▼/▲ to select DIGITAL SURROUND, then press OK.

> The DIGITAL SURROUND menu appears, showing the currently active function.



3. Press ▼/▲ to select DOLBY PRO LOGIC.

> To cancel the function: Select SURROUND OFF.

4. Press OK.

Note:

If, while using this function, you connect headphones to the TV, the 3D HEADPHONE function (see above) activates automatically. However, note that you cannot use Dolby Pro Logic Surround with headphones. If SPEAKER is set to ON in the HEADPHONE menu. the HEADPHONE SURROUND function is not activated

OTHER PREPARATION

EXT SETTING

You can select S-VIDEO or normal input for the EXT-2, EXT-3 and EXT-4 terminals, and you can give an EXT ID to each EXT input terminal.

To select S-VIDEO input for a terminal

1. Press OK.

The MENU appears.

 Press ▼/▲ to select EXT SOURCE, then press OK.

The EXT SOURCE menu appears.



 Press ▼/▲ to select EXT SETTING, then press OK.

The EXT SETTING menu appears



- Press ▼/▲ to select an EXT input terminal.
- 5. Press yellow button.

The S-VIDEO input Indication appears.

 To select normal input, press yellow button again.



- If you want to set an EXT ID here perform the operation procedures from the step 4 of the section "To give an EXT ID to an EXT input terminal" in the next column.
- 6. Press OK.

The menu disappears.

To give an EXT ID to an EXT input terminal

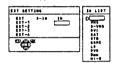
1. Press OK.

The MENU appears.

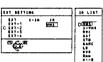
 Press V/▲ to select EXT SOURCE, then press OK.
 The EXT SOURCE menu appears.

- Press V/A to select EXT SETTING, then press OK.
 The EXT SETTING menu appears.
- Press ▼/▲ to select an EXT input terminal.
- 5. Press blue button.

The ID LIST appears.



Press ▼/▲ to select a EXT ID.



Note:

 To erase the EXT ID, select a blank space.

- 7. Press OK.
- This completes the procedure.
 Press the TV button to exit the menu.

DUBBING

Select output to a VCR or other device connected to the EXT-2 terminal. Note that you cannot output from the EXT-2 terminal when the TV is turned off.

Note:

- RGB signals from TV games and TELETEXT screens cannot be output from EXT-2 terminal.
- 7. Press OK.

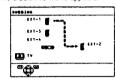
The MENU appears.

2. Press V/▲ to select EXT SOURCE, then press OK.

The EXT SOURCE menu appears.

3. Press ▼/▲ to select DUBBING, then press OK.

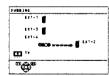
The DUBBING menu appears.

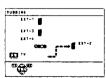


Press ▼/▲ to select the input which you want to output from EXT-2.

TV:
The sound and picture of the currently selected PR channel is output from EXT-2, so you can record the output on a VCR connected to the EXT-2 terminal while watching a video input from the EXT-1, EXT-2 or EXT-4 terminal. Even when a SUB picture is displayed. The output TV broadcast PR channel does not change. However, when another PR channel is being watched in the SUB picture, if the SWAP function is used, the output TV broadcast PR channel is switched.







5. Press OK.
The menu disappears.

LANGUAGE

You can select one of ten languages for the on-screen display.

1. Press OK.

The MENU appears

2. Press ▼/▲ to select INSTALL, then press OK.

The INSTALL menu appears.



3. Press ▼/▲ to select LANGUAGE, then press OK.

The LANGUAGE menu appears.



- Press ▼/▲ to select a language.
- 5. Press OK.

This completes the setting.

AUTO PROGRAM

You can automatically allocate up to 99 stations to PR channels PR 1 to PR99 on this TV.
When the TV receives a signal describing the station's name, it allocates those stations, station IDs, and registers then as they were preset at the JVC factory.

1. Press OK.

The MENU appears.

- 2. Press ▼/▲ to select INSTALL, then press OK.

 The INSTALL menu appears.
- Press ▼/A to select AUTO PROGRAM, then press OK.

The COUNTRY menu appears.



Press V/A /
 to select your country.

Note:

- If you make a mistake when selecting your country, or do not want to use the Automatic allocation function, press OK button to return to the INSTALL
- 5. Press blue button.

The PR channel is automatically set and the EDIT menu is displayed.

- If you want to edit PR channels or allocate a station to PRO (AV) channel, see page 24 "EDIT/ MANUAL" for procedural description.
- Note
- If a station you want to view is not allocated to a PR channel, perform Manual allocation (see page 26).
- The procedure is complete.
 Press the TV button to exit the menu.

EDIT/MANUAL

You can change PR channel settings by doing any of the following:

- · You can delete an unwanted station from a PR channel.
- · You can change the PR channel number of a station,
- . You can add station IDs to PR channels.
- · You can add a new station to a PR channel, or
- · You can manually allocate the desired station to a PR channel.

To edit PR channels

- 1. Press OK. The MENU appears.
- 2. Press V/A to select INSTALL, then press OK. The INSTALL menu appears.
- 3. Press V/A to select EDIT/ MANUAL, then press OK.

The EDIT menu appears.



- 4. Use any of the procedures described in the following pages to change the PR channel settings.
- This completes the procedure. Press the TV button to exit the menu.

To delete a station from a | 3. Press ▼/▲ to move the PR channel

1. Press ▼/▲ to select the station you want to delete.



2. Press vellow button.



Stations allocated to PR channels following the deleted PR channel number are shifted back by one to the preceding PR channel number.

To change the PR channel number of a station

1. Press V/A to select the station.



2. Press ▶.

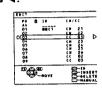


selected station to the desired PR channel number.

. To cancel the operation, press the (Information) button.



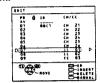
4. Press ◀.



.. 01

To add a station ID to a station

1. Press V/▲ to select the station.



2. Press red button.

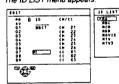


3. Press V/▲ to select the first letter of the desired station's ID.



4. Press blue button.

The ID LIST menu appears



- 5. Press V/A to select the station ID.
- · To cancel the operation, press the (Information) button.
- 6. Press OK.

Returns to the EDIT menu.



Programming a station's ID manually:

Follow the operations below in place of steps 3 thru 5.

- (1) Press the V/A button repeatedly to select a character.
- (2) Press the > button to move cursor to input position. Pressing the ◀ button moves the cursor backward.
- (3) To complete station ID, follow steps (1) and (2) repeatedly.
- A station ID can have up to 5 characters.

To add a new station to a PR channel

1. Press V/▲ to select the row containing the PR channel number to which you want to add a station.



- 2. Press green button.
- 3. Press V/▲ to display the enter number indicator.

CH: to add terrestrial broadcast stations

CC: to add cable TV stations

AV-32WP2EP, AV-32WZ2EP and AV-28WZ2EP only: If COUNTRY is set to FRANCE, select one of the following four

items: CH1: to add a system L terrestrial broadcast channel

CH2: to add a system B/G or I

terrestrial broadcast channel CC1: to add a system L cable TV channel

CC2: to add a system B/G or I cable TV channel

· To cancel the operation, press the (Information) button.



Note:

- For details on the relationship between the displayed CH/CC number and the actual channel number, see the Channel table on
- 4. Press the number buttons to enter the channel number.
 - · To enter a one-digit channel number, enter the corresponding number and press OK button.



Note:

When you add a station, the station preset to PR99 is deleted

To manually allocate a station to PR channel (Manual allocation)

Condition:

If your TV is AV-32WP2EP, AV-32WZ2EP or AV-28WZ2EP, you can manually allocate French channels to PR channels

To manually allocate French stations to PR channels, you must set COUNTRY to FRANCE if COUNTRY is set to any other country than FRANCE, perform "AUTO PROGRAM" steps 1 thru 4 on page 23 to set COUNTRY to FRANCE Then press the OK button to return to the INSTALL menu. Finally perform "To edit PR channel" step 2 thru 3 on page 24 to return to the EDIT menu.

Press ▼/▲ to select a PR channel number.

Note:

 PR channel number "AV" appears on the screen as PR 0 channel.
 We recommend that you allocate this PR channel to a VCR connected to the aerial socket.



2. Press blue button.

Your TV enters the Manual allocation mode.



3. Press green or red button to search for a station.

Scanning stops when the TV receives a broadcast.

Press green or red button to search for another station, and keep searching until you see the station you want.

CH: Terrestnal broadcast stations CC: Cable TV stations

If reception is poor:
Press the blue or yellow button to fine-tune the station.

If your TV is AV-32WP2EP, AV-32WP2EP or AV-28W22EP: When COUNTRY is set to FRANCE, the broadcast system is displayed as "(B/G)", "(I") or "(L)" to the right of the PR channel number. If the signal of a station is incorrectly received, press the ▶ button to change the broadcast system and then repeat step 3.

Note:

 For details on the relationship between the displayed CH/CC number and the actual channel number, see the Channel table on page 31.

4. Press OK.

The station is allocated to a PR channel.

PICTURE TILT (except AV-28WZ2EN and AV-28WZ2EP)

The AV-32WP2EN, AV-32WP2EP, AV-32WZ2EP has a large picture tube in which a picture could be tilted to the left or right because of magnetic pull from the earth. Use the procedure described below to adjust the picture.

Note:

The AV-28WZ2EN or AV-28WZ2EP does not have the titled image correction function.

1. Press OK.

The MENU appears.

 Press ▼/▲ to select PICTURE FEATURES, then press OK.

The PICTURE FEATURES menu appears.

3. Press ▼/▲ to select PICTURE TILT, then press

The PICTURE TILT menu appears.



Press ◄/► to select the direction to which you want to correct the tilted image on your screen.

- : If it is inclined to the left , select this symbol to correct
- : If it is inclined to the right, select this symbol to correct
- : If it is not inclined to either the left or right, select this symbol to set it as it is.

5. Press OK.

The correction is complete.

CONNECTING AMPLIFIERS AND SPEAKERS

Condition:

- When connecting audio amplifiers and speakers to your TV:
- and speakers to your TV:

 Turn the TV and audio amplifiers
- off before connecting them.

 Set the audio amplifiers' volume
- to minimum.

 Before to manuals provided with
- Refer to manuals provided with the amplifier and speakers for further details

Notes:

- The AUDIO OUT terminals on your TV are for connecting to an audio system. The output level is controlled by the Volume controls of your TV. The signal from the AUDIO OUT terminals will not cut off when headphones are connected.
- neacphones are connected

 *If you connect a Doby Pro Logic

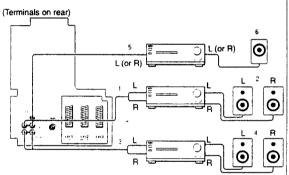
 Surround decoder to your TV, use the

 FRONT L and R jacks. Your TV has

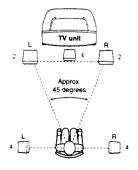
 Dolby Pro Logic Surround functions, so

 if you connect an external decoder, turn

 off all surround function on your TV.
- 1. 3: Stereo amplifier
 2: Front speakers (magnetic-shielded type, L. R)
- 4: Surround speakers (L. R)
- 5: Stereo amplifier (or monaural amplifier)
- 6: Centre speaker (magnetic-shielded type)



Positioning speakers



Notes:

- For a good effect, place speakers 4
- 1.0 m above the seated listener's head
 For a good effect, place speaker + as close as possible to the TV along the
- same line as or behind, speakers ...

 Use magnetic-shielded speakers for speakers ∠ and ← to avoid TV interference.

To use 2 external speakers

You can cut off the sound output from the TV's speakers and enjoy sound from external front speakers

- Connect stereo amplifier ①
 and front speakers ② to
 your TV.
- Turn your TV on, and press the Volume -/+ button to set the volume to the lowest setting.
- 3. Press OK.

The MENU appears.

 Press ▼/▲ to select SOUND SETTING, then press OK.

The SOUND SETTING menu appears.



Note:

- When DOLBY PRO LOGIC or PRO LOGIC 3D-PHONIC is selected in DIGITAL SURROUND menu. "SPEAKER" does not appear in this case, press the Ok button to exit the current menu Then, press the 3D button twice to select SURROUND OFF and repeat from Step 3.
- Press ♥/▲ to select SPEAKER.

6. Press </br> √ to select OFF.

The TV's speakers become silent.

To output sound from the TV

speakers:
Set SPEAKER to ON.

7. Press OK.

The menu disappears.

When using the TV speakers as the centre speaker:

When enjoying the DOLBY PRO LOGIC 3D-PHONIC surround sound, it can be set so that 2 external speakers and the TV speakers (used as the centre speaker) can be used at the same time.

(Continued to the next page)

In particular, since models other than AV-32WP2EN and AV-32WP2EP do not have a centre speaker builtin to the TV, if this method is used the "dialogue" becomes clearer.

- 1. Press OK.
- The menu appears.
- 2. Press V/A button to select DIGITAL SURROUND, then press OK. The DIGITAL SURROUND menu appears.
- 3. Press ▼/▲ button to select PRO LOGIC 3D-PHONIC, then press ▶.

The PRO LOGIC 3D-PHONIC menu appears.



- 4. Press ▼/▲ button to select TV SPEAKER, then press ◀/▶ button to select CENTRE.
- 5. Press OK. The menu disappears.
- 8. Turn your audio amplifier on, and return the volume of your audio amplifier to the normal setting.

Note:

- Take care not to set the volume of your audio amplifier too high as this may damage your speakers.
- 9. Press the Volume -/+ button to adjust the volume.
- This completes the procedure.

You can enjoy Dolby Pro Logic Surround sound with 4 or 5 speakers.

- 1. Connect audio amplifiers and speakers to the TV.
 - Do one of the following:
 - A: Connect stereo amplifier 3 and surround speakers 4.
 - . If your TV is AV-32WP2EN or AV-32WP2EP, it has a centre speaker built-in and you can easily enjoy Dolby Pro Logic surround sound using 5 speakers.
 - . If your TV is not AV-32WP2EN or AV-32WP2EP. although it does not have a centre speaker built-in to the TV. you can easily enjoy Dolby Pro Logic surround sound by using the PHANTOM mode which omits the centre speaker.
 - B: Connect stereo amplifiers 1. ? front speakers 2, and surround speakers 4. This uses the TV's speakers as the centre speakers.
 - C: Connect stereo amplifiers 1, 3, stereo amplifier (or monaural amplifier) 5, front speakers 2, surround speakers 4, and centre speaker 6. If you use this method, do not output sound from the TV's speakers.
- 2. Turn your TV on, and press the Volume -/+ button to set the volume to the normal setting.
- 3. Press OK.
 - The MENU appears.
- 4. Press V/A to select DIGITAL SURROUND, then press OK.

The DIGITAL SURROUND menu appears, showing the currently selected setting.

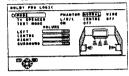


II DIGITAL SURROUND does not appear, disconnect the headphones

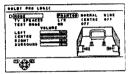
To use 4 or 5 speakers 5. Press V/A to select DOLBY PRO LOGIC, then press ▶.

> The DOLBY PRO LOGIC menu appears.

> In the case of AV-32WP2EN or AV-32WP2EP:



In the case of models other than AV-32WP2EN and AV-32WP2EP:



6. Press V/▲ to select an item, and press 4/▶ to change its setting.

> in the case of AV-32WP2EN or AV-32WP2FP

| 11-52177 | ltem . | | | |
|----------|--------|---------------|--|--|
| Method | MODE | TV SPEAKER | | |
| A | NORMAL | L/R/C | | |
| В | NORMAL | CENTRE | | |
| © | NORMAL | OFF | | |
| <u> </u> | WIDE | 5,1 | | |

In the case of models other than AV-32WP2EN and AV-32WP2EP:

| | Item | | | |
|--------|---------|---------------|--|--|
| Method | MODE | TV SPEAKER | | |
| A | PHANTOM | L/R | | |
| • | NORMAL | CENTRE | | |
| [C] | NORMAL | OFF | | |
| lei | WIDE | 011 | | |

Set MODE to WIDE when using a full-range speaker as the centre speaker. Frequencies of 100 Hz or lower are output from the centre speaker to give Dolby Surround an even greater impact.

Since AV-32WP2EN and AV-32WP2EP have a centre speaker built-in to the TV, it is not necessary to select the PHANTOM mode. If the PHANTOM mode is selected.

sound is prevented from coming

7. Turn your audio amplifier on, and return the volume of your audio amplifier to the normal setting.

out of the centre speaker.

- Take care not to set the volume of your audio amplifier too high as this may damage your speakers
- 8. Press V/A to select TEST MODE.

9. Press **4/**▶ to set TEST MODE to ON.

Test signals alternate among the

Note:

- If the test signal level is small to listen to adjust it with the volume of your audio amplifier. However, take care not to set the volume too high as this may damage your
- 10.Press
 In adjust the level of each of the speakers so that their volumes are the same at the listening position (the place where the person is sitting in the diagram, see page 27).

LEFT, RIGHT:

Front speaker L. R CENTRE:

Centre speaker

SURROUND:

Surround speakers

Notes: When MODE is set to PHANTOM. the volume of CENTRE: (Centre

- speaker) cannot be adjusted. If the volume of both speakers is not the same even after adjusting the volume, adjust the volume of
- 11.Press OK.

The menu disappears.

This completes the procedure.

your audio amplifier.

TROUBLESHOOTING

. If the plug is disconnected from the AC socket, or the TV aerial has problems, you may think there is a problem with the TV itself. Be sure to check the following before calling for service.

· Review all instructions in this manual.

| | Problem - | Action |
|-----------|--|--|
| S GENERAL | No power supply. | Insert the plug in an AC socket. Press the Main power button (see page 6). |
| | No picture or sound. | Check aerial connections (see page 4). Press the number 0 button to select the correct mode (see page 10). Select the correct colour system manually (see page 11). |
| | The power shuts off automatically. | Press the Standby button to turn the power on again (see page 6) |
| | Inoperable remote control. | Replace the batteries (see page 2). Insert the batteries correctly (see page 2). Use the remote control within about 7 metres of the TV. |
| | MENU can not be displayed. | Are you watching the Teletext screen? None of the MENU operations are possible in the Text mode. Perform the MENU operation after pressing the TV/Text button to cancel the Text mode. |
| ■ PICTURE | Poor colour. | Adjust COLOUR and BRIGHT (see page 12). Select the correct colour system manually (see page 11). |
| | The screen mode suddenly changed. | The ZOOM mode's automatic selective function is working (see page 13). |
| | The picture is tilted (AV-32WP2EN/EP. AV-32WZ2EN/EP only). | Use the PICTURE TILT to correct the tilt (see page 26). |
| | The SUB-picture image is disordered. | If the MAIN-picture image signal condition is bad, the SUB-picture image may be disordered. If the MAIN-picture image signal condition is improved, the SUB-picture image also improves. |
| | The top and bottom of the MAIN-picture or SUB-picture are missing. | If the picture standard of the MAIN-picture and SUB-picture are different, the top and bottom of one of them may be missing. |
| | The SUB-picture display suddenly disappears. | If an external device is operated, the SUB-picture may disappear. If this happens, press the PIP button once more and redisplay the SUB picture. |

TROUBLESHOOTING

| | Problem | Action | | |
|------------|---|---|--|--|
| ■ PICTURE | The same image is displayed in both the MAIN-picture and SUB-picture. | If the SWAP button is pressed when the image from the external decoder is displayed in the MAIN-picture, the same image is displayed in both the MAIN-picture and SUB picture. If the SWAP button is pressed once more, the previous state is returned to. | | |
| | Lines or streaks in picture (interference). | Move the components apart until the interference is eliminated. Reposition the aenal. | | |
| | Spots (crosstalk). | Reposition the aerial. Replace with an aerial with better directionality. | | |
| | Double pictures (ghosts). | Reposition the aenal. Replace with an aenal with better directionality. | | |
| | Snowy pictures (noise). | Check aerial connections. Redirect the aerial. Replace or repair the aerial. | | |
| | The screen turns blue. | The BLUE BACK function is on (see page 16). | | |
| SOUND | No sound from the TV's speakers. | Disconnect the headphones. If you want to have sound come from both the TV's speaker and headphones, set TV SPEAKER in the HEADPHONE menu to ON. (See page 8.) Set SPEAKER to ON (see page 27). | | |
| | The headphone volume level can not be adjusted. | It can not be adjusted with the Volume -/+ button. Adjust it with th VOLUME function in the HEADPHONE menu. (See page 8.) | | |
| | The sound from the TV does not stop even if the headphones are connected. | TV SPEAKER in the HEADPHONE menu is set to ON. Change the setting to OFF. (See page 8.) | | |
| | No stereo sound. | Change STEREO/I•II to ① mode (see page 11), Is TV SPEAKER on the PRO LOGIC 3D-PHONIC menu or DOLBY PRO LOGIC menu set to CENTRE? Change the TV SPEAKER setting to L/R/C or L/C. (See pages 27 and 28.) When the SUB-picture is in TV mode, the SUB-picture sound is monaural only. | | |
| | No "SUB-I" or "SUB-II" sound in a multisound broadcast. | Change STEREO/I*I to the correct mode (see page 11). The Multi sound function does not work for the SUB-picture sound. | | |
| | Surround function does not function properly. | Dolby Pro Logic Surround and DOLBY PRO LOGIC 3D-PHONIC work properly only with Dolby Surround encoded programmes. Functions other than HYPER SOUND and the Headphone surround functions work properly only with stereo programmes. HYPER SOUND works properly only with monaural programmes. None of the surround sound functions work for the SUB picture sound. | | |
| | The POWER BASS function does not work. | Are you listening to the SUB picture sound? The POWER BASS function does not work for the SUB picture sound. | | |
| ■ TELETEXT | No teletext reception. | Tune to a teletext broadcast channel (see page 18). We recommend that you not videotape teletext, as it may not be recorded correctly. | | |
| | The current time is not displayed. | Tune to a teletext broadcast channel (see page 16). | | |

The following are normal and are NOT malfunctions:

- When you touch the CRT surface, you might feel a slight charge of static electricity. This is because the CRT contains static electricity: it does not affect the human body.
- The TV may emit a crackling sound due to a sudden change in temperature. There is no problem unless the picture or sound is abnormal.
- When a bright a still image (of a white dress, for example) appears on the screen, the image may be coloured. This problem
 occurs in all CRTs, and as the bright image disappears, such colouration also disappears.
- This TV is equipped with a microcomputer that may operate abnormally due to interference from external components. If this happens, turn off the main power and disconnect the power cord from the AC socket. Then reconnect the power cord to AC socket and turn on the main power again.

Channel table

- The following table shows the relationship between the displayed CH/CC channel number and the actual channel number.
- The actual channel numbers for the "CC" channel numbers from CC110 to CC161 differ depending on the cable
 TV station. Check which actual channel numbers correspond to which "CC" channels while referring to the
 broadcast frequencies which are indicated in the channel tables of each cable TV station. If you can not find the
 broadcast frequency for a channel, contact the cable TV station.

| СН | Channel | СН | Channel | cc | Channel |
|----------------|----------------|----------------|---------|----------------|---------|
| CH 02 / CH 202 | E2 | CH 40 / CH 240 | E40 | CC 01 / CC 201 | S1 |
| CH 03 / CH 203 | E3. ITALY A | CH 41 / CH 241 | E41 | CC 02 / CC 202 | S2 |
| CH 04 / CH 204 | E4, ITALY B | CH 42 / CH 242 | E42 | CC 03 / CC 203 | S3 |
| CH 05 / CH 205 | E5. ITALY D | CH 43 / CH 243 | E43 | CC 04 / CC 204 | 54 |
| CH 06 / CH 206 | E6. ITALY E | CH 44 / CH 244 | E44 | CC 05 / CC 205 | S5 |
| CH 07 / CH 207 | E7. ITALY F | CH 45 / CH 245 | E45 | CC 06 / CC 206 | S6 |
| CH 08 / CH 208 | E8 | CH 46 / CH 246 | E46 | CC 07 / CC 207 | S7 |
| CH 09 / CH 209 | E9, ITALY G | CH 47 / CH 247 | E47 | CC 08 / CC 208 | S8 |
| CH 10 / CH 210 | E10, ITALY H | CH 48 / CH 248 | E48 | CC 09 / CC 209 | S9 |
| CH 11 / CH 211 | E11, ITALY H+1 | CH 49 / CH 249 | E49 | CC 10 / CC 210 | S10 |
| CH 12 / CH 212 | E12, ITALY H+2 | CH 50 / CH 250 | E50 | GC 11 / CC 211 | S11 |
| CH 21 / CH 221 | E21 | CH 51 / CH 251 | E51 | CC 12 / CC 212 | S12 |
| CH 22 / CH 222 | E22 | CH 52 / CH 252 | E52 | CC 13 / CC 213 | S13 |
| CH 23 / CH 223 | E23 | CH 53 / CH 253 | €53 | CC 14 / CC 214 | S14 |
| CH 24 / CH 224 | E24 | CH 54 / CH 254 | E54 | CC 15 / CC 215 | S15 |
| CH 25 / CH 225 | E25 | CH 55 / CH 255 | E55 | CC 16 / CC 216 | \$16 |
| CH 26 / CH 226 | E26 | CH 56 / CH 256 | E56 | GC 17 / GC 217 | S17 |
| CH 27 / CH 227 | E27 | CH 57 / CH 257 | E57 | CC 18 / CC 218 | 518 |
| CH 28 / CH 228 | E28 | CH 58 / CH 258 | E58 | CC 19 / CC 219 | S19 |
| CH 29 / CH 229 | E29 | CH 59 / CH 259 | E59 | CC 20 / CC 220 | S20 |
| CH 30 / CH 230 | E30 | CH 60 / CH 260 | E60 | CC 21 / CC 221 | S21 |
| CH 31 / CH 231 | E31 | CH 61 / CH 261 | E61 | CC 22 / CC 222 | S22 |
| CH 32 / CH 232 | E32 | CH 62 / CH 262 | E62 | CC 23 / CC 223 | S23 |
| CH 33 / CH 233 | E33 | CH 63 / CH 263 | E63 | CC 24 / CC 224 | S24 |
| CH 34 / CH 234 | E34 | CH 64 / CH 264 | E64 | CC 25 / CC 225 | \$25 |
| CH 35 / CH 235 | E35 | CH 65 / CH 265 | E65 | CC 26 / CC 226 | S26 |
| CH 36 / CH 236 | E36 | CH 66 / CH 266 | E66 | CC 27 / CC 227 | S27 |
| CH 37 / CH 237 | E37 | CH 67 / CH 267 | E67 | CC 28 / CC 228 | S28 |
| CH 38 / CH 238 | E38 | CH 68 / CH 268 | E68 | CC 29 / CC 229 | S29 |
| CH 39 / CH 239 | E39 | CH 69 / CH 269 | E69 | CC 30 / CC 230 | S30 |

| CC 31 / CC 231 | S31 |
|----------------|------------|
| CC 32 / CC 232 | S32 |
| CC 33 / CC 233 | S33 |
| CC 34 / CC 234 | S34 |
| CC 35 / CC 235 | S35 |
| CC 36 / CC 236 | S36 |
| CC 37 / CC 237 | S37 |
| CC 38 / CC 238 | S38 |
| CC 39 / CC 239 | 539 |
| CC 40 / CC 240 | S40 |
| CC 41 / CC 241 | S41 |
| CC 75 / CC 275 | х |
| CC 76 / CC 276 | Y |
| CC 77 / CC 277 | Z. ITALY C |
| CC 78 / CC 278 | Z+1 |
| CC 79 / CC 279 | Z+2 |
| | |

Channel

(Continued to the next page)

Channel table

| СН | Channel | СН | Channel | cc | Frequency (MHz) |
|--------|---------|--------|---------|----------|--------------------|
| CH 102 | F2 | CH 141 | F41 | GC 110 | 116 - 124 |
| CH 103 | F3 | CH 142 | F42 | CC 111 | 124 - 132 |
| CH 104 | F4 | CH 143 | F43 | CC 112 | 132 - 140 |
| CH 105 | F5 | CH 144 | F44 | CC 113 | 140 - 148 |
| CH 106 | F6 | CH 145 | F45 | CC 114 | 148 - 156 |
| CH 107 | F7 | CH 146 | F46 | CC 115 | 156 - 164 |
| CH 108 | F8 | CH 147 | F47 | CC 116 | 164 - 172 |
| CH 109 | F9 | CH 148 | F48 | CC 123 | 220 - 228 |
| CH 110 | F10 | CH 149 | F49 | CC 124 | 228 - 236 |
| CH 121 | F21 | CH 150 | F50 | CC 125 | 236 - 244 |
| CH 122 | F22 | CH 151 | F51 | CC 126 | 244 - 252 |
| CH 123 | F23 | CH 152 | F52 | CC 127 | 252 - 260 |
| CH 124 | F24 | CH 153 | F53 | CC 128 | 260 - 268 |
| CH 125 | F25 | CH 154 | F54 | CC 129 | 268 - 276 |
| CH 126 | F26 | CH 155 | F55 | CC 130 | 276 - 284 |
| CH 127 | F27 | CH 156 | F56 | CC 131 | 284 - 292 |
| CH 128 | F28 | CH 157 | F57 | CC 132 | 292 - 300 |
| CH 129 | F29 | CH 158 | F58 | CC 133 | 300 - 306 |
| CH 130 | F30 | CH 159 | F59 | CC 141 | 306 - 311 |
| CH 131 | F31 | CH 160 | F60 | CC 142 | 311 - 319 |
| CH 132 | F32 | CH 161 | F61 | CC 143 | 319 - 327 |
| CH 133 | F33 | CH 162 | F62 | CC 144 | 327 - 335 |
| CH 134 | F34 | CH 163 | F63 | CC 145 | 335 - 343 |
| CH 135 | F35 | CH 164 | F64 | CC 146 | 343 - 351 |
| CH 136 | F36 | CH 165 | F65 | CC 147 | 351 - 359 |
| CH 137 | F37 | CH 166 | F66 | CC 148 | 359 - 367 |
| CH 138 | F38 | CH 167 | F67 | - CC 149 | 367 - 375 |
| CH 139 | F39 | CH 168 | F68 | CC 150 | 375 - 383 |
| CH 140 | F40 | CH 169 | F69 | | |

| cc | Frequency (MHz) |
|--------|--------------------|
| CC 151 | 383 - 391 |
| CC 152 | 391 - 399 |
| CC 153 | 399 - 407 |
| CC 154 | 407 - 415 |
| CC 155 | 415 - 423 |
| CC 156 | 423 - 431 |
| CC 157 | 431 - 439 |
| CC 158 | 439 - 447 |
| CC 159 | 447 - 455 |
| CC 160 | 455 - 463 |
| CC 161 | 463 - 469 |
| | |

SPECIFICATIONS

| Model | AV-32WP2EN | AV-32WZ2EN | AV-28WZ2EN |
|--------------------------|---|--|--|
| Item | | | |
| TV RF systems | CCIR B/G | | |
| Colour systems | PAL, SECAM (NTSC 3.58 / 4.43 M | | |
| Channels and frequencies | E2-E12, E21-E69, S1-S41, X, Y, Z | Z, Z+1, Z+2, A-H, H+1, H+2 | |
| Sound-multiplex systems | A2/NiCAM system | | |
| Teletext systems | Fastext (United Kingdom system) | / TOP (German system) / WST (sta | andard system) |
| Power requirements | AC 220 - 240 V, 50 Hz | | |
| Power consumption | Maximum 266 W, Average 161 W, Standby 0.8 W | Maximum 248 W, Average 151 W, Standby 0.8 W | Maximum 242 W. Average 147 W, Standby 0.8 W |
| Picture tube size | Visible area 76 cm (measured diagonally) | Visible area 66 cm (measured diagonally) | |
| Audio output | Rated Power output 20 W + 20 W + 5 W | Rated Power output 20 W + 20 W | |
| Speakers | 10 cm round × 2, 3.5 cm round × 2, (10 cm × 3 cm oval) × 1 | 10 cm round × 2, 3.5 cm round × 2 | |
| External input / output | EXT-1, EXT-2, EXT-3 | 21-pin Euroconnector (SCART) | |
| | EXT-4 | VIDEO IN (RCA) AUDIO L / R IN (RCA) S-VIDEO IN (Mini Din 4-pin) | |
| | AUDIO OUT | (Variable out (0-1 Vrms), low impedance) CENTRE output (RCA) FRONT L/R output (RCA) SURROUND REAR L/R output (RCA) | |
| | Headphone jack (stereo mini jack | c, dia. 3.5 mm) | |
| Dimensions (W × H × D) | 805 mm × 550 mm × 550 mm | | 716 mm × 489 mm × 496 mm |
| Weight | 50.3 kg | 50.3 kg 50.2 kg | |
| Accessories | Remote control unit RM-C791 × 1 AAA (R03) dry cell battery × 2 | Remote control unit RM-C793 × AAA (R03) dry cell battery × 2 | 1 |

Design and specifications subject to change without notice.

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